Serial_No:02011815:33

Project Name: GCA1704 **Lab Number:** L1802820

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

Method Blank Analysis
Batch Quality Control

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

Extraction Method: EPA 3546
Extraction Date: 01/28/18 12:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for 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.

Tentatively Identified Compounds

Total TIC Compounds	178	J	ug/kg
Unknown Alkane	178	J	ug/kg

Serial_No:02011815:33

Project Name: GCA1704 **Lab Number:** L1802820

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

Method Blank Analysis
Batch Quality Control

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

Extraction Method: EPA 3546
Extraction Date: 01/28/18 12:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1084531-1					

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1802820

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1084531-2 WG1084531-3								
Acenaphthene	86		80		31-137	7		50
Fluoranthene	90		85		40-140	6		50
Benzo(a)anthracene	88		82		40-140	7		50
Benzo(a)pyrene	89		83		40-140	7		50
Benzo(b)fluoranthene	91		85		40-140	7		50
Benzo(k)fluoranthene	90		84		40-140	7		50
Chrysene	89		82		40-140	8		50
Anthracene	90		84		40-140	7		50
Benzo(ghi)perylene	89		84		40-140	6		50
Fluorene	88		83		40-140	6		50
Phenanthrene	87		82		40-140	6		50
Dibenzo(a,h)anthracene	89		84		40-140	6		50
Indeno(1,2,3-cd)pyrene	89		82		40-140	8		50
Pyrene	90		84		35-142	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		81		25-120
Phenol-d6	87		84		10-120
Nitrobenzene-d5	88		88		23-120
2-Fluorobiphenyl	86		81		30-120
2,4,6-Tribromophenol	100		92		10-136
4-Terphenyl-d14	91		84		18-120

METALS

Serial_No:02011815:33

Project Name: GCA1704 **Lab Number:** L1802820

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
Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield 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	1	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	1	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

Serial_No:02011815:33

Project Name: GCA1704 **Lab Number:** L1802820

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
Percent Solids: 46%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield 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

Serial_No:02011815:33

Project Name: GCA1704 **Lab Number:** L1802820

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

SAMPLE RESULTS

Lab ID:	L1802820-03	Date Collected:	01/25/18 11:11
Client ID:	11SLP	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 EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/30/18 18:05	01/31/18 21:45	EPA 3015	1,6010C	AB

Serial_No:02011815:33

Project Name:	GCA1704	**Lab Number:**	L1802820
Project Number:	GCA1704	**Report Date:**	02/01/18

SAMPLE RESULTS

Lab ID:	L1802820-04	Date Collected:	01/25/18 11:35
Client ID:	7ST	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 EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/30/18 18:05	01/31/18 21:58	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	01/30/18 10:24	01/30/18 21:46	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/30/18 18:05	01/31/18 21:58	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/30/18 18:05	01/31/18 21:58	EPA 3015	1,6010C	AB

Serial_No:02011815:33

Project Name: GCA1704 **Lab Number:** L1802820

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 EPA 1311 - Mansfield Lab											
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/30/18 18:05	01/31/18 22:06	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/30/18 18:05	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 18:05	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	01/30/18 21:48	EPA 7470A	1,7470A	EA

Serial_No:02011815:33

Project Name:	GCA1704	**Lab Number:**	L1802820
Project Number:	GCA1704	**Report Date:**	02/01/18

SAMPLE RESULTS

Lab ID:	L1802820-06	Date Collected:	01/25/18 12:00
Client ID:	12ST	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 EPA 1311 - Mansfield Lab											
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/30/18 18:05	01/31/18 22:11	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/30/18 18:05	01/31/18 22:11	EPA 3015	1,6010C	AB

Serial_No:02011815:33

Project Name:	GCA1704	**Lab Number:**	L1802820
Project Number:	GCA1704	**Report Date:**	02/01/18

SAMPLE RESULTS

Lab ID:	L1802820-07	Date Collected:	01/25/18 14:30
Client ID:	11ST	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 EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/30/18 18:05	01/31/18 22:15	EPA 3015	1,6010C	AB

Serial_No:02011815:33

Project Name:	GCA1704	**Lab Number:**	L1802820
Project Number:	GCA1704	**Report Date:**	02/01/18

SAMPLE RESULTS

Lab ID:	L1802820-08	Date Collected:	01/25/18 13:30
Client ID:	CP001	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 EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/30/18 18:05	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	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	01/31/18 22:19	EPA 3015	1,6010C	AB

Serial_No:02011815:33

Project Name: GCA1704 **Lab Number:** L1802820

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

SAMPLE RESULTS

Lab ID: L1802820-09 Date Collected: 01/25/18 13:40
Client ID: CP002 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 EPA 1311 - Mansfield Lab											
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/30/18 18:05	01/31/18 22:23	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/30/18 18:05	01/31/18 22:23	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/30/18 18:05	01/31/18 22:23	EPA 3015	1,6010C	AB

Serial_No:02011815:33

Project Name:	GCA1704	**Lab Number:**	L1802820
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		

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

Serial_No:02011815:33

Project Name: GCA1704 **Lab Number:** L1802820
Project Number: GCA1704 **Report Date:** 02/01/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1084341-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	01/27/18 09:30	01/29/18 14:54	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04-05 Batch: WG1084999-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	01/30/18 10:24	01/30/18 21:24	1,7470A	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	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03-10 Batch: WG1085163-1										
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 Lab for sample(s): 01-02 Batch: WG1085576-1										
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

Serial_No:02011815:33

Project Name: GCA1704 **Lab Number:** L1802820 Page 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

Lab Control Sample Analysis

Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1802820

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1084341-2 SRM Lot Number: D098-540								
Mercury, Total	109		-		50-149	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-05 Batch: WG1084999-2								
Mercury, TCLP	98		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03-10 Batch: WG1085163-2								
Cadmium, TCLP	94		-		75-125	-		20
Chromium, TCLP	93		-		75-125	-		20
Lead, TCLP	96		-		75-125	-		20
Selenium, TCLP	99		-		75-125	-		20
Silver, TCLP	90		-		75-125	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1802820

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

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1085576-2 SRM Lot Number: D098-540					
Arsenic, Total	99	-	83-117	-	
Barium, Total	95	-	82-118	-	
Beryllium, Total	96	-	83-117	-	
Cadmium, Total	91	-	82-117	-	
Chromium, Total	99	-	83-119	-	
Copper, Total	99	-	84-116	-	
Lead, Total	94	-	82-117	-	
Nickel, Total	93	-	82-117	-	
Silver, Total	100	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1802820

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

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1084341-3 WG1084341-4 QC Sample: L1800001-124 Client ID: MS Sample												
Mercury, Total	0.10	0.126	0.20	**79**	Q	ND	**0**	Q	80-120	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1084999-3 QC Sample: L1802710-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0247	99		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03-10 QC Batch ID: WG1085163-3 QC Sample: L1802760-01 Client ID: MS Sample												
Cadmium, TCLP	ND	0.51	0.473	93		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.85	92		-	-		75-125	-		20
Lead, TCLP	0.276J	5.1	5.09	100		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.20	100		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.447	89		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1085576-3 QC Sample: L1802820-01 Client ID: SD-20												
Arsenic, Total	10.8	13.1	38.0	**208**	Q	-	-		75-125	-		20
Barium, Total	165.	218	395	106		-	-		75-125	-		20
Beryllium, Total	0.106J	5.45	4.89	90		-	-		75-125	-		20
Cadmium, Total	19.5	5.56	32.0	**225**	Q	-	-		75-125	-		20
Chromium, Total	90.3	21.8	101	**49**	Q	-	-		75-125	-		20
Copper, Total	367.	27.2	345	**0**	Q	-	-		75-125	-		20
Lead, Total	1240	55.6	1390	**270**	Q	-	-		75-125	-		20
Nickel, Total	68.6	54.5	137	**126**	Q	-	-		75-125	-		20
Silver, Total	0.475J	32.7	32.3	99		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: GCA1704
Project Number: GCA1704

Lab Number: L1802820
Report Date: 02/01/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1084999-4 QC Sample: L1802710-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03-10 QC Batch ID: WG1085163-4 QC Sample: L1802760-01 Client ID: DUP Sample						
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.276J	0.274J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1085576-4 QC Sample: L1802820-01 Client ID: SD-20						
Arsenic, Total	10.8	12.6	mg/kg	15		20
Barium, Total	165.	152	mg/kg	8		20
Beryllium, Total	0.106J	0.114J	mg/kg	NC		20
Cadmium, Total	19.5	16.8	mg/kg	15		20
Chromium, Total	90.3	56.7	mg/kg	**46**	Q	20
Copper, Total	367.	286	mg/kg	**25**	Q	20
Lead, Total	1240	1110	mg/kg	11		20
Nickel, Total	68.6	73.9	mg/kg	7		20
Silver, Total	0.475J	0.409J	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Serial_No:02011815:33

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

Serial_No:02011815:33

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 - Westborough Lab										
Solids, Total	45.7		%	0.100	NA	1	-	01/26/18 14:54	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1802820

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

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD 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	62.0	%	0		20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1802820-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.1	Y	Absent		NYSUFFOLK-8260(14)
L1802820-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L1802820-01C	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		TS(7),NYSUFFOLK-8270(14)
L1802820-01X	Vial MeOH preserved split	A	NA		2.1	Y	Absent		NYSUFFOLK-8260(14)
L1802820-01Y	Vial Water preserved split	A	NA		2.1	Y	Absent	29-JAN-18 03:34	NYSUFFOLK-8260(14)
L1802820-01Z	Vial Water preserved split	A	NA		2.1	Y	Absent	29-JAN-18 03:34	NYSUFFOLK-8260(14)
L1802820-02A	Vial Large Septa unpreserved (4oz)	A	NA		2.1	Y	Absent		NYSUFFOLK-8260(14)
L1802820-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L1802820-02C	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		TS(7),NYSUFFOLK-8270(14)
L1802820-02X	Vial MeOH preserved split	A	NA		2.1	Y	Absent		NYSUFFOLK-8260(14)
L1802820-02Y	Vial Water preserved split	A	NA		2.1	Y	Absent	29-JAN-18 03:34	NYSUFFOLK-8260(14)
L1802820-02Z	Vial Water preserved split	A	NA		2.1	Y	Absent	29-JAN-18 03:34	NYSUFFOLK-8260(14)
L1802820-03A	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		-
L1802820-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		PB-CI(180)
L1802820-03X9	Tumble Vessel	A	NA		2.1	Y	Absent		-
L1802820-04A	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		-
L1802820-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		HG-C(28),PB-CI(180),SE-CI(180),AG-CI(180)
L1802820-04X9	Tumble Vessel	A	NA		2.1	Y	Absent		-
L1802820-05A	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		-
L1802820-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		CD-CI(180),HG-C(28),PB-CI(180),CR-CI(180)
L1802820-05X9	Tumble Vessel	A	NA		2.1	Y	Absent		-

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1802820-06A	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		-
L1802820-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		PB-CI(180),CR-CI(180)
L1802820-06X9	Tumble Vessel	A	NA		2.1	Y	Absent		-
L1802820-07A	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		-
L1802820-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		PB-CI(180)
L1802820-07X9	Tumble Vessel	A	NA		2.1	Y	Absent		-
L1802820-08A	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		-
L1802820-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		PB-CI(180),SE-CI(180),AG-CI(180)
L1802820-08X9	Tumble Vessel	A	NA		2.1	Y	Absent		-
L1802820-09A	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		-
L1802820-09X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		PB-CI(180),CR-CI(180),AG-CI(180)
L1802820-09X9	Tumble Vessel	A	NA		2.1	Y	Absent		-
L1802820-10A	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		-
L1802820-10X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		PB-CI(180)
L1802820-10X9	Tumble Vessel	A	NA		2.1	Y	Absent		-

*Values in parentheses indicate holding time in days

Serial_No:02011815:33

Project Name: GCA1704 **Lab Number:** L1802820 Page G-72
Project Number: GCA1704 **Report Date:** 02/01/18

GLOSSARY

Acronyms

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.

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 - 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

1 - 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 Water-preserved 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".

B - 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

Project Name: GCA1704 **Lab Number:** L1802820
Project Number: GCA1704 **Report Date:** 02/01/18

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).

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.

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

Project Name: GCA1704 **Lab Number:** L1802820
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.

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (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, SM4500Cl-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-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 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.
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.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 3

Date Rec'd in Lab: 1/25/18

ALPHA Job #: L1802820

Client Information
Client: PWGC
Address: 630 Johnson Ave.
Bohemia, NY 11716
Phone: 631-589-6353
Fax:
Email: TMelia@pwgconsr.com

Project Information
Project Name: GCA1704
Project Location: St. James, NY
Project #
(Use Project name as Project #) ☒
Project Manager: Thomas Melia
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS (SCDHS) VOCs	(SCDHS) SVOCs	(SCDHS) Metals	Sample Filtration	Sample Specific Comments
02820-01	SD-20	1-25	950	S	NR	X	X	X	☐ Done ☐ Lab to do	
-02	SD-19	↓	1015	S	NR	X	X	X	Preservation ☐ Lab to do (Please Specify below)	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
	1-25 1600		1/25/18 1600
	1/25/18 1830		1/25/18 2130

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

Page 2 of 3

Date Rec'd in Lab: 1/25/18

ALPHA Job #: L1802826

Westborough, MA 01581, 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193
Mansfield, MA 02348, 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288
Service Centers: Mahwah, NJ 07430: 35 Whitney Rd, Suite 5; Albany, NY 12205: 14 Walker Way; Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Client Information
Client: PWGC
Address: 620 Johnson Ave. Ste 7, Bohemia, NY 11716
Phone: 631-589-0353
Fax:
Email: TMelia@pwgrother.com

Project Information
Project Name: GCA1704
Project Location: St. James, NY
Project #: 6
(Use Project name as Project #) ☒
Project Manager: Thomas Melia
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: (TCLP) Lead	(TCLP) Mercury	(TCLP) Selenium	(TCLP) Silver	(TCLP) Cadmium	(TCLP) Chromium	Sample Specific Comments
02820-03	115LP	1-25	11:11	S	NR	X						
-04	~~S-7~~ 7ST		12:00			X	X	X	X			
-05	12PLP1		11:50			X	X			X	X	
-06	12ST	↓	12:00	↓	↓	X					X	
-07	11ST	↓	14:30	↓	↓	X						

Total Bottle

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By	Date/Time	Received By	Date/Time
	1-25 1600		1/25/18 1600
	1/25/18 1820		
	1/25/18 2230		1/25/18 2230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 3

Date Rec'd in Lab: 1/25/18

ALPHA Job #: L1802820

Client Information
Client: PWGC
Address: 630 Johnson Ave. Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: TMelia@PWgeosci.com

Project Information
Project Name: GCA 705
Project Location: St. Samuel
Project #
(Use Project name as Project #)
Project Manager: Thomas Melia
ALPHAQuote #:

Turn-Around Time
Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Lead (TCLP)	Selenium (TCLP)	Silver (TCLP)	Chromium (TCLP)	Sample Specific Comments
02820-08	CP001	1-25	1330	S	NK	X	X	X		
-09	CP002	↓	1340	↓	↓	X		X	X	
-10	CP018	↓	1350	↓	↓	X				

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	1-25 1600		1/25/18 16:0
	1/25/18 1824		
	1/25/18 2230		1/25/18 2230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

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

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

Project Name: GCA1704
Project Number: GCA1704

Lab Number: L1806744
Report Date: 03/06/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1806744-01	EP-9SLPC	SOIL	FLOWERFIELD INDUSTRIAL, ST. JAMES	02/27/18 12:15	02/27/18
L1806744-02	EP-9PLP	SOIL	FLOWERFIELD INDUSTRIAL, ST. JAMES	02/27/18 12:25	02/27/18
L1806744-03	EP-12PLP1 (MH-1)	SOIL	FLOWERFIELD INDUSTRIAL, ST. JAMES	02/27/18 13:15	02/27/18

Project Name: GCA1704
Project Number: GCA1704
Lab Number: L1806744
Report Date: 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
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.

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.

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 03/06/18

ORGANICS

VOLATILES

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** L1806744

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:	FLOWERFIELD INDUSTRIAL, ST. JAMES	Field Prep:	Not Specified
Sample Depth:			
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 GC/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

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** L1806744

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** L1806744

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** L1806744

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

SAMPLE RESULTS

Lab ID: L1806744-02
Client ID: EP-9PLP
Sample Location: FLOWERFIELD INDUSTRIAL, ST. JAMES
Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/01/18 14:53
Analyst: NLK
Percent Solids: 81%

Date Collected: 02/27/18 12:25
Date Received: 02/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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
trans-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
1,1-Dichloroethene	ND		ug/kg	0.93	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Trichloroethene	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

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** L1806744

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.9	0.14	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	1.9	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.32	1
Dibromomethane	ND		ug/kg	9.3	0.22	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-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
1,2-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	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
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-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
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.14	1

Project Name: GCA1704 **Lab Number:** L1806744

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** 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:			
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/01/18 15:19		
Analyst:	NLK		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.32	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.41	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	11		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.42	1
Bromodichloromethane	ND		ug/kg	1.2	0.37	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
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
1,4-Dichlorobenzene	2.3	J	ug/kg	6.0	0.22	1

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** 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:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/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

Project Name: GCA1704 **Lab Number:** 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:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** L1806744

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

Method Blank Analysis
Batch Quality Control

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

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(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	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

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** L1806744

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

Method Blank Analysis
Batch Quality Control

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

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1093379-10					
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		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

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** L1806744

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

Method Blank Analysis
Batch Quality Control

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

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - 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/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

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1806744

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1093379-8 WG1093379-9								
Methylene chloride	94		89		70-130	5		30
1,1-Dichloroethane	93		93		70-130	0		30
Chloroform	92		92		70-130	0		30
Carbon tetrachloride	95		93		70-130	2		30
1,2-Dichloropropane	91		90		70-130	1		30
Dibromochloromethane	92		88		70-130	4		30
1,1,2-Trichloroethane	104		97		70-130	7		30
Tetrachloroethene	94		92		70-130	2		30
Chlorobenzene	95		94		70-130	1		30
Trichlorofluoromethane	104		101		70-139	3		30
1,2-Dichloroethane	97		93		70-130	4		30
1,1,1-Trichloroethane	96		92		70-130	4		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	90		87		70-130	3		30
cis-1,3-Dichloropropene	94		92		70-130	2		30
1,1-Dichloropropene	89		87		70-130	2		30
Bromoform	82		79		70-130	4		30
1,1,2,2-Tetrachloroethane	108		103		70-130	5		30
Benzene	89		88		70-130	1		30
Toluene	93		93		70-130	0		30
Ethylbenzene	95		94		70-130	1		30
Vinyl chloride	90		88		67-130	2		30
Chloroethane	86		84		50-151	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1806744

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1093379-8 WG1093379-9								
1,1-Dichloroethene	90		92		65-135	2		30
trans-1,2-Dichloroethene	89		90		70-130	1		30
Trichloroethene	90		90		70-130	0		30
1,2-Dichlorobenzene	101		99		70-130	2		30
1,3-Dichlorobenzene	99		97		70-130	2		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	90		90		66-130	0		30
p/m-Xylene	100		98		70-130	2		30
o-Xylene	98		97		70-130	1		30
cis-1,2-Dichloroethene	89		89		70-130	0		30
Dibromomethane	99		95		70-130	4		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	95		92		30-146	3		30
Acetone	92		81		54-140	13		30
2-Butanone	76		73		70-130	4		30
4-Methyl-2-pentanone	84		81		70-130	4		30
1,2,3-Trichloropropane	102		100		68-130	2		30
Bromochloromethane	97		94		70-130	3		30
2,2-Dichloropropane	97		97		70-130	0		30
1,2-Dibromoethane	100		94		70-130	6		30
1,3-Dichloropropane	99		97		69-130	2		30
1,1,1,2-Tetrachloroethane	99		93		70-130	6		30
Bromobenzene	96		93		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1806744

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1093379-8 WG1093379-9								
n-Butylbenzene	102		99		70-130	3		30
sec-Butylbenzene	99		97		70-130	2		30
tert-Butylbenzene	96		96		70-130	0		30
o-Chlorotoluene	99		97		70-130	2		30
p-Chlorotoluene	98		97		70-130	1		30
1,2-Dibromo-3-chloropropane	91		87		68-130	4		30
Hexachlorobutadiene	91		91		67-130	0		30
Isopropylbenzene	94		94		70-130	0		30
p-Isopropyltoluene	100		96		70-130	4		30
Naphthalene	101		98		70-130	3		30
n-Propylbenzene	98		95		70-130	3		30
1,2,3-Trichlorobenzene	104		101		70-130	3		30
1,2,4-Trichlorobenzene	102		95		70-130	7		30
1,3,5-Trimethylbenzene	100		98		70-130	2		30
1,2,4-Trimethylbenzene	101		99		70-130	2		30
Freon-113	96		95		50-139	1		30
p-Diethylbenzene	100		97		70-130	3		30
p-Ethyltoluene	99		95		70-130	4		30
1,2,4,5-Tetramethylbenzene	103		99		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1806744

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

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

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		109		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	103		101		70-130
Dibromofluoromethane	106		105		70-130

METALS

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** 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:
Matrix: Soil
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.01		mg/kg	0.497	0.103	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	JH
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

Serial_No:03061811:32

Project Name: GCA1704 **Lab Number:** L1806744 Page G-103
Project Number: GCA1704 **Report Date:** 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 - Mansfield Lab for sample(s): 03 Batch: WG1093358-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/01/18 05:30	03/01/18 09:29	1,6010C	JH
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	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG1093364-1										
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

Lab Control Sample Analysis

Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1806744

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1093358-2 SRM Lot Number: D098-540								
Arsenic, Total	114		-		83-117	-		
Barium, Total	116		-		82-118	-		
Beryllium, Total	111		-		83-117	-		
Cadmium, Total	105		-		82-117	-		
Chromium, Total	111		-		83-119	-		
Copper, Total	101		-		84-116	-		
Lead, Total	101		-		82-117	-		
Nickel, Total	105		-		82-117	-		
Selenium, Total	108		-		78-121	-		
Silver, Total	102		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1093364-2 SRM Lot Number: D098-540								
Mercury, Total	109		-		50-149	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1806744

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

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1093358-3 QC Sample: L1806934-01 Client ID: MS Sample												
Arsenic, Total	8.78	11.3	17.8	80		-	-		75-125	-		20
Barium, Total	78.5	188	200	**64**	Q	-	-		75-125	-		20
Beryllium, Total	0.307	4.71	4.06	80		-	-		75-125	-		20
Cadmium, Total	ND	4.81	3.67	76		-	-		75-125	-		20
Chromium, Total	12.7	18.8	26.4	**73**	Q	-	-		75-125	-		20
Copper, Total	10.6	23.6	32.9	95		-	-		75-125	-		20
Lead, Total	41.1	48.1	43.6	**5**	Q	-	-		75-125	-		20
Nickel, Total	8.29	47.1	40.6	**68**	Q	-	-		75-125	-		20
Selenium, Total	0.282J	11.3	9.41	83		-	-		75-125	-		20
Silver, Total	ND	28.3	26.6	94		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1093364-3 QC Sample: L1806744-03 Client ID: EP-12PLP1 (MH-1)												
Mercury, Total	0.02J	0.159	0.22	**138**	Q	-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: GCA1704 **Lab Number:** L1806744

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

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1093358-4 QC Sample: L1806934-01 Client ID: DUP Sample						
Lead, Total	41.1	6.56	mg/kg	**145**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1093364-4 QC Sample: L1806744-03 Client ID: EP-12PLP1 (MH-1)						
Mercury, Total	0.02J	0.02J	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GCA1704 **Lab Number:** L1806744

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: FLOWERFIELD INDUSTRIAL, 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 Lab										
Solids, Total	92.6		%	0.100	NA	1	-	03/01/18 11:58	121,2540G	RI

Project Name: GCA1704 **Lab Number:** L1806744

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
Sample Location: FLOWERFIELD INDUSTRIAL, 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 Lab										
Solids, Total	81.1		%	0.100	NA	1	-	03/01/18 11:58	121,2540G	RI

Project Name: GCA1704 **Lab Number:** 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:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.9		%	0.100	NA	1	-	03/01/18 11:58	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: GCA1704
Project Number: GCA1704

Lab Number: L1806744
Report Date: 03/06/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1093513-1 QC Sample: L1806979-06 Client ID: DUP Sample						
Solids, Total	83.4	83.3	%	0		20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1806744-01A	Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		NYSUFFOLK-8260(14),TS(7)
L1806744-01X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYSUFFOLK-8260(14)
L1806744-01Y	Vial Water preserved split	A	NA		2.4	Y	Absent	28-FEB-18 20:17	NYSUFFOLK-8260(14)
L1806744-01Z	Vial Water preserved split	A	NA		2.4	Y	Absent	28-FEB-18 20:17	NYSUFFOLK-8260(14)
L1806744-02A	Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		NYSUFFOLK-8260(14),TS(7)
L1806744-02X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYSUFFOLK-8260(14)
L1806744-02Y	Vial Water preserved split	A	NA		2.4	Y	Absent	28-FEB-18 20:17	NYSUFFOLK-8260(14)
L1806744-02Z	Vial Water preserved split	A	NA		2.4	Y	Absent	28-FEB-18 20:17	NYSUFFOLK-8260(14)
L1806744-03A	Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		NYSUFFOLK-8260(14)
L1806744-03B	Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1806744-03X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYSUFFOLK-8260(14)
L1806744-03Y	Vial Water preserved split	A	NA		2.4	Y	Absent	28-FEB-18 20:17	NYSUFFOLK-8260(14)
L1806744-03Z	Vial Water preserved split	A	NA		2.4	Y	Absent	28-FEB-18 20:17	NYSUFFOLK-8260(14)

*Values in parentheses indicate holding time in days

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

GLOSSARY

Acronyms

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.

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 - 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

1 - 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 Water-preserved 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".

B - 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

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

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).

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.

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

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

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.

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (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, SM4500Cl-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-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 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.
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.

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 2/27/18

ALPHA Job #: L1806744

Client Information
Client: Tom Melia
Address: 630 Johnson Ave Ste 7 Bohemia, NY 11716
Phone: (631) 589-6353
Fax:
Email: thomas.m@ptgrasser.com

Project Information
Project Name: GCA1704
Project Location: Flowerfield Industrial, St. James
Project #
(Use Project name as Project #) ☒
Project Manager: Tom Melia
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Results only

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #:

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SCDHS VOCs	SCDHS Metals	Sample Specific Comments
06744-01	EP-9SLPC	2/27/18	1215	S	JF	X		
02	EP-9PLP	↓	1225	↓	↓	X		
03	EP-12PLP1(MH-1)	↓	1315	↓	↓	X	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
	2/27/18 1600		2/27/18 1600
	2/27/18 1721		2/27/18 2220

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1807506
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Thomas Melia
Phone:	(631) 589-6353
Project Name:	GYRODYNE INDUSTRIAL
Project Number:	GCA1704
Report Date:	03/12/18

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

Project Name: GYRODYNE INDUSTRIAL
Project Number: GCA1704

Lab Number: L1807506
Report Date: 03/12/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1807506-01	EP-11SLP	SOIL	1 FLOWERFIELD, ST. JAMES	03/05/18 10:45	03/05/18
L1807506-02	EP-13ST	SOIL	1 FLOWERFIELD, ST. JAMES	03/05/18 11:25	03/05/18
L1807506-03	EP-13PLP	SOIL	1 FLOWERFIELD, ST. JAMES	03/05/18 11:40	03/05/18
L1807506-04	EP-12PLP	SOIL	1 FLOWERFIELD, ST. JAMES	03/05/18 12:05	03/05/18
L1807506-05	EP-SD13	SOIL	1 FLOWERFIELD, ST. JAMES	03/05/18 12:55	03/05/18
L1807506-06	EP-SD17	SOIL	1 FLOWERFIELD, ST. JAMES	03/05/18 13:05	03/05/18

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506
Project Number: GCA1704 **Report 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.

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506
Project Number: GCA1704 **Report 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.

Authorized Signature: Cristin Walker Cristin Walker

Title: Technical Director/Representative Date: 03/12/18

ORGANICS

VOLATILES

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

Project Number: GCA1704 **Report 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		
Analytical Method:	1,8260C		
Analytical Date:	03/09/18 11:37		
Analyst:	MV		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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
1,1,2-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
Trichlorofluoromethane	ND		ug/kg	4.2	0.35	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	4.2	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	0.37	J	ug/kg	1.3	0.16	1
Ethylbenzene	ND		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	4.2	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	0.18	1
1,4-Dichlorobenzene	0.42	J	ug/kg	4.2	0.15	1

Serial_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

Project Number: GCA1704 **Report 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:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

Project Number: GCA1704 **Report 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:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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

Serial_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

SAMPLE RESULTS

Lab ID: L1807506-02
Client ID: EP-13ST
Sample Location: 1 FLOWERFIELD, ST. JAMES
Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/09/18 12:03
Analyst: MV
Percent Solids: 76%

Date Collected: 03/05/18 11:25
Date Received: 03/05/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.30	1
Trichloroethene	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
1,4-Dichlorobenzene	0.24	J	ug/kg	6.3	0.23	1

Serial_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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:

Parameter	Result	Qualifier	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

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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

Serial_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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
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:	MV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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
trans-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
trans-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

Serial_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

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

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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

Serial_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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:			
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/09/18 12:55		
Analyst:	MV		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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
Trichlorofluoromethane	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
trans-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
Benzene	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
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.25	1
Trichloroethene	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
1,4-Dichlorobenzene	1.0	J	ug/kg	5.1	0.19	1

Serial_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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

Serial_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 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					
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	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

Serial_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 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		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

Serial_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 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					
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/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

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1095945-3 WG1095945-4								
Methylene chloride	100		93		70-130	7		30
1,1-Dichloroethane	102		92		70-130	10		30
Chloroform	100		92		70-130	8		30
Carbon tetrachloride	105		95		70-130	10		30
1,2-Dichloropropane	104		96		70-130	8		30
Dibromochloromethane	93		92		70-130	1		30
1,1,2-Trichloroethane	91		95		70-130	4		30
Tetrachloroethene	102		87		70-130	16		30
Chlorobenzene	90		86		70-130	5		30
Trichlorofluoromethane	104		91		70-139	13		30
1,2-Dichloroethane	88		93		70-130	6		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	102		96		70-130	6		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	103		95		70-130	8		30
1,1-Dichloropropene	95		90		70-130	5		30
Bromoform	86		86		70-130	0		30
1,1,2,2-Tetrachloroethane	77		86		70-130	11		30
Benzene	95		91		70-130	4		30
Toluene	93		85		70-130	9		30
Ethylbenzene	85		86		70-130	1		30
Vinyl chloride	98		87		67-130	12		30
Chloroethane	90		82		50-151	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1095945-3 WG1095945-4								
1,1-Dichloroethene	104		91		65-135	13		30
trans-1,2-Dichloroethene	104		93		70-130	11		30
Trichloroethene	100		93		70-130	7		30
1,2-Dichlorobenzene	91		87		70-130	4		30
1,3-Dichlorobenzene	90		86		70-130	5		30
1,4-Dichlorobenzene	89		85		70-130	5		30
Methyl tert butyl ether	95		94		66-130	1		30
p/m-Xylene	90		88		70-130	2		30
o-Xylene	90		89		70-130	1		30
cis-1,2-Dichloroethene	102		94		70-130	8		30
Dibromomethane	101		102		70-130	1		30
Styrene	88		89		70-130	1		30
Dichlorodifluoromethane	93		81		30-146	14		30
Acetone	**183**	Q	131		54-140	**33**	Q	30
2-Butanone	121		119		70-130	2		30
4-Methyl-2-pentanone	87		88		70-130	1		30
1,2,3-Trichloropropane	75		87		68-130	15		30
Bromochloromethane	107		100		70-130	7		30
2,2-Dichloropropane	103		91		70-130	12		30
1,2-Dibromoethane	94		99		70-130	5		30
1,3-Dichloropropane	91		94		69-130	3		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	89		86		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1095945-3 WG1095945-4								
n-Butylbenzene	82		82		70-130	0		30
sec-Butylbenzene	84		81		70-130	4		30
tert-Butylbenzene	85		80		70-130	6		30
o-Chlorotoluene	78		80		70-130	3		30
p-Chlorotoluene	80		81		70-130	1		30
1,2-Dibromo-3-chloropropane	78		83		68-130	6		30
Hexachlorobutadiene	88		82		67-130	7		30
Isopropylbenzene	80		79		70-130	1		30
p-Isopropyltoluene	86		81		70-130	6		30
Naphthalene	84		83		70-130	1		30
n-Propylbenzene	80		80		70-130	0		30
1,2,3-Trichlorobenzene	90		87		70-130	3		30
1,2,4-Trichlorobenzene	88		86		70-130	2		30
1,3,5-Trimethylbenzene	82		81		70-130	1		30
1,2,4-Trimethylbenzene	83		81		70-130	2		30
Freon-113	107		94		50-139	13		30
p-Diethylbenzene	86		82		70-130	5		30
p-Ethyltoluene	82		80		70-130	2		30
1,2,4,5-Tetramethylbenzene	88		82		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

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

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		97		70-130
Toluene-d8	103		101		70-130
4-Bromofluorobenzene	86		94		70-130
Dibromofluoromethane	97		98		70-130

SEMIVOLATILES

Serial_No:03121813:43

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

SAMPLE RESULTS

Lab ID: L1807506-01
Client ID: EP-11SLP
Sample Location: 1 FLOWERFIELD, ST. JAMES
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/09/18 00:12
Analyst: RC
Percent Solids: 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	Acceptance Criteria
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	79		30-120
4-Terphenyl-d14	76		18-120

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

SAMPLE RESULTS

Lab ID: L1807506-05
Client ID: EP-SD13
Sample Location: 1 FLOWERFIELD, ST. JAMES
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/09/18 02:35
Analyst: RC
Percent Solids: 80%

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 - Westborough 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	Acceptance Criteria
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	68		30-120
4-Terphenyl-d14	57		18-120

Project Name: GYRODYNE INDUSTRIAL
Project Number: GCA1704

Lab Number: L1807506
Report Date: 03/12/18

SAMPLE RESULTS

Lab ID: L1807506-06
Client ID: EP-SD17
Sample Location: 1 FLOWERFIELD, ST. JAMES
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/09/18 02:11
Analyst: RC
Percent Solids: 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	Acceptance Criteria
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	73		30-120
4-Terphenyl-d14	56		18-120

Serial_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/09/18 18:19
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 03/06/18 21:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(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					
No Tentatively Identified Compounds	ND		ug/kg		

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/09/18 18:19
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 03/06/18 21:46

Parameter	Result	Qualifier	Units	RL	MDL

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

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05-06 Batch: WG1095078-2 WG1095078-3								
Acenaphthene	68		63		31-137	8		50
Fluoranthene	70		65		40-140	7		50
Benzo(a)anthracene	66		62		40-140	6		50
Benzo(a)pyrene	64		60		40-140	6		50
Benzo(b)fluoranthene	64		58		40-140	10		50
Benzo(k)fluoranthene	64		61		40-140	5		50
Chrysene	65		61		40-140	6		50
Anthracene	70		65		40-140	7		50
Benzo(ghi)perylene	68		65		40-140	5		50
Fluorene	70		64		40-140	9		50
Phenanthrene	68		64		40-140	6		50
Dibenzo(a,h)anthracene	71		67		40-140	6		50
Indeno(1,2,3-cd)pyrene	69		66		40-140	4		50
Pyrene	68		63		35-142	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		61		25-120
Phenol-d6	69		62		10-120
Nitrobenzene-d5	68		61		23-120
2-Fluorobiphenyl	74		67		30-120
2,4,6-Tribromophenol	71		64		10-136
4-Terphenyl-d14	71		65		18-120

INORGANICS
&
MISCELLANEOUS

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506
Project Number: GCA1704 **Report 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 Lab										
Solids, Total	84.3		%	0.100	NA	1	-	03/06/18 14:27	121,2540G	RI

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506
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

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

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

SAMPLE RESULTS

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

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

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

SAMPLE RESULTS

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

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

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506
Project Number: GCA1704 **Report 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 Lab										
Solids, Total	79.5		%	0.100	NA	1	-	03/06/18 14:27	121,2540G	RI

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

SAMPLE RESULTS

Lab ID: L1807506-06 Date Collected: 03/05/18 13:05
Client ID: EP-SD17 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 Lab										
Solids, Total	78.4		%	0.100	NA	1	-	03/06/18 14:27	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: GYRODYNE INDUSTRIAL
Project Number: GCA1704

Lab Number: L1807506
Report Date: 03/12/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1094935-1 QC Sample: L1807527-06 Client ID: DUP Sample						
Solids, Total	85.7	85.4	%	0		20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1807506-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.0	Y	Absent		NYSUFFOLK-8260(14)
L1807506-01B	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		TS(7),NYSUFFOLK-8270(14)
L1807506-01X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYSUFFOLK-8260(14)
L1807506-01Y	Vial Water preserved split	A	NA		2.0	Y	Absent	08-MAR-18 16:25	NYSUFFOLK-8260(14)
L1807506-01Z	Vial Water preserved split	A	NA		2.0	Y	Absent	08-MAR-18 16:25	NYSUFFOLK-8260(14)
L1807506-02A	Vial Large Septa unpreserved (4oz)	A	NA		2.0	Y	Absent		NYSUFFOLK-8260(14),TS(7)
L1807506-02X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYSUFFOLK-8260(14)
L1807506-02Y	Vial Water preserved split	A	NA		2.0	Y	Absent	08-MAR-18 16:25	NYSUFFOLK-8260(14)
L1807506-02Z	Vial Water preserved split	A	NA		2.0	Y	Absent	08-MAR-18 16:25	NYSUFFOLK-8260(14)
L1807506-03A	Vial Large Septa unpreserved (4oz)	A	NA		2.0	Y	Absent		NYSUFFOLK-8260(14),TS(7)
L1807506-03X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYSUFFOLK-8260(14)
L1807506-03Y	Vial Water preserved split	A	NA		2.0	Y	Absent	08-MAR-18 16:25	NYSUFFOLK-8260(14)
L1807506-03Z	Vial Water preserved split	A	NA		2.0	Y	Absent	08-MAR-18 16:25	NYSUFFOLK-8260(14)
L1807506-04A	Vial Large Septa unpreserved (4oz)	A	NA		2.0	Y	Absent		NYSUFFOLK-8260(14),TS(7)
L1807506-04X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYSUFFOLK-8260(14)
L1807506-04Y	Vial Water preserved split	A	NA		2.0	Y	Absent	08-MAR-18 16:25	NYSUFFOLK-8260(14)
L1807506-04Z	Vial Water preserved split	A	NA		2.0	Y	Absent	08-MAR-18 16:25	NYSUFFOLK-8260(14)
L1807506-05A	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		TS(7),NYSUFFOLK-8270(14)
L1807506-06A	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		TS(7),NYSUFFOLK-8270(14)

*Values in parentheses indicate holding time in days

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

GLOSSARY

Acronyms

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.

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 - 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

1 - 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 Water-preserved 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".

B - 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

Project Name: GYRODYNE INDUSTRIAL **Lab Number:** L1807506 Page G-160
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).

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.

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

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.

Alpha Analytical, Inc. ID No.:**17873**
Facility: **Company-wide** Revision 11
Department: **Quality Assurance** Published Date: 1/8/2018 4:15:49 PM
Title: **Certificate/Approval Program Summary** Page 1 of 1

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (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, SM4500Cl-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-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 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.
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.

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581 — 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/5/18

ALPHA Job #: L1807506

Client Information
Client: PW Grosser
Address: 630 Johnson Ave. Ste. 7, Bohemia, NY 11716
Phone: (631) 589-6353
Fax:
Email: thomas.m@pwgrosser.com

Project Information
Project Name: Gyrodyne Industrial
Project Location: 1 Flowerfield St. James
Project #: GCA1704
(Use Project name as Project #)
Project Manager: Tom Melia
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
- ASP-A
- ASP-B
- EQuIS (1 File)
- EQuIS (4 File)
- X Other: Results only

Regulatory Requirement
- NY TOGS
- NY Part 375
- AWQ Standards
- NY CP-51
- NY Restricted Use
- Other
- NY Unrestricted Use
- NYC Sewer Discharge

Billing Information
- X Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
- NJ
- NY
- Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SCDHS VOCs	SCDHS SVOCs
07506-01	EP-11SLP	3/5/18	1045	S	NI	X	X
-02	EP-13ST		1125			X	
-03	EP-13PLP		1140			X	
-04	EP-12PLP		1205			X	
-05	EP-SD13		1255				X
-06	EP-SD17		1305				X

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

Sample Specific Comments

Total Bottles

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	3/5/18 1450	Kevin O'Leary	3/6/18 14:50
Kevin O'Leary	3/05/18 17:14		3/5/18 22:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX C
WASTE MANIFESTS

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

Ticket: 1140615
Date: 3/1/2018
Time: 10:00:31 - 11:21:02

Gross: 73340 lb In Scale 1
Tare: 48260 lb Out Scale 1
Net: 25080 lb

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

Comment:

Manifest: 27254

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	12.54	Ton

Driver: _____

Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

P1
395988

Waste Manifest Number
27254

ClearBrook
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

Generator of Waste Material

1. Customer Name: Cycodyne 2. Phone Number: _____
3. Street Address: 1 Flower Field 4. City/State/Zip: St James

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: X [signature] Agent of Cycodyne Date: 3-1-18
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Non haz soils	Cubic Yards Gallons Tons	15	

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: C3 2. Address: _____
3. Phone: _____ 4. Pump Out Date: 3-1-18
5. Vehicle License No: X35X40 6. NYS DEC Permit No: 2A2G3

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: [illegible] Signature: [signature] Date: 3-1-18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 3-1-18 Time: _____ Sample ID# _____

Signature of Authorized Agent: [signature] Print Name Nancy Wagner

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

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 lb

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

Comment:

Manifest: 27255

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	8.95	Ton

Driver: _____

Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

ClearBrook

P1 396056

Waste Manifest Number
27255

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

Generator of Waste Material

1. Customer Name: Gyrodyne 2. Phone Number:
3. Street Address: 1 Flowerfield 4. City/State/Zip: St James

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 Gyrodyne Date: 3-1-18
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Non Haz Soils	Cubic Yards Gallons Tons	6	

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: C3 2. Address:
3. Phone: 4. Pump Out Date: 3-1-18
5. Vehicle License No: X3FX40 6. NYS DEC Permit No: 2A2C3

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: C Signature: Date: 3-1-18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 3-1-18 Time: Sample ID#
Signature of Authorized Agent: Nancy Wagner Print Name Nancy Wagner

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

Ticket: 1140850
Date: 3/5/2018
Time: 13:23:28 - 14:03:40

Gross: 67620 lb In Scale 1
Tare: 47380 lb Out Scale 1
Net: 20240 lb

Truck: 7010 License: RA92750
Customer: Clearbrook
972 NICOLLS RD
DEER PARK, NY 11729-3806

Carrier: Clearbrook
Comment:

Manifest: 27898

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	SANTYGRIT/Sanitary Grit	10.12	Ton

Driver: _____ Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

ClearBrook

Waste Manifest Number
27898

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

Truck# 7010
WO# 396176

PERMIT # 1-4720-00317/00001

Generator of Waste Material

1. Customer Name: Gyrodyne Industrial complex 2. Phone Number: _____
3. Street Address: 1 Flowerfield 4. City/State/Zip: Saint James NY 11780

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 Gyrodyne Date: 3/5/18
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/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

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: Clear Brook 2. Address: 972 Nicolls Rd Deer Park
3. Phone: (631) 586-0002 4. Pump Out Date: 3/5/18
5. Vehicle License No: 21497-MG 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: Anthony Williams Signature: Anthony Williams Date: 3/5/18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 3-5-18 Time: _____ Sample ID# _____

Signature of Authorized Agent: _____ Print Name _____

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

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

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

Comment:

Manifest: 27256

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	9.59	Ton

Driver: _____

Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

ClearBrook

P1
396258

Waste Manifest Number
27256

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

Generator of Waste Material

1. Customer Name: Gyrodyne 2. Phone Number: _____
3. Street Address: 71 Flowerfield 4. City/State/Zip: St James

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: X [signature] Agent of Gyrodyne Date: 3-05-18
Print Name: Nicholas Iannuzzi

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Non haz Solids	Cubic Yards Gallons Tons	15	

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: L-3 2. Address: _____
3. Phone: _____ 4. Pump Out Date: 3-5-18
5. Vehicle License No: X3FX410 6. NYS DEC Permit No: 2A265

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: [signature] Signature: [signature] Date: 3-5-18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 3-5-18 Time: _____ Sample ID# _____

Signature of Authorized Agent: [signature] Print Name Nancy Wagner

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

Ticket: 1140857
Date: 3/5/2018
Time: 14:26:36 - 14:47:34

Gross: 51020 lb In Scale 1
Tare: 45580 lb Out Scale 1
Net: 5440 lb

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

Comment:

Manifest: 27257

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	2.72	Ton

Driver: _____ Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

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

MANIFEST NUMBER		
Part 1	Part 2	Part 3
		204293
Date of Pick-Up (Use 2 Digit Numbers) Example 040103	Time of Pick-Up (Military Time)	Chronological Number /Also Used as Sample # (Assigned at Clear Flo-Receiving Station)
3-5-18	9:20Am	

LIQUID WASTE DISCHARGE MANIFEST

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	Gallons: 1,000	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 handling instructions, if any_____

2. GENERATOR OF WASTEWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Gyradyne B. Tel. No:_____

C. Complete Pickup Address: 1 Flowerfield ST JAMES NY

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: Agent of Gyradyne Date: 3/5/18

3. **HAULER OF LIQUID WASTE** (Sections 3A, 3B, 3C, 3D and 3E must be completed by hauler)

A. Company name (print or type): Direct Drainage / [redacted]
B. SCDPW Permit No: 25276 C. Vehicle License No: 70916C D. Pump Out Date: 3-5-18
E. NYS DEC Permit No: 14828

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: [redacted]

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: 3/5/18 Sample ID No: 204293

Signature of authorized agent and title: [redacted]

PINK-GENERATOR YELLOW-TRANSPORTER WHITE-DISPOSAL FACILITY GOLD-FILE

Clearbrook-TEI Company
972 Nicolls Road
Deer Park, NY 11729

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
License: 25109MD
Customer: Clearbrook
972 NICOLLS RD
DEER PARK, NY 11729-3806

Comment:

Manifest: 27816

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	8.83	Ton

30

Driver: _____

Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

ClearBrook

Waste Manifest Number
27816

972 Nicolls Road
Deer Park, NY 11729
Office: 631.586.0002
Fax: 631.586.0530
New York State DEC Licensed Transfer Facility
BIC # 1272

7005

Non Hazardous Waste Manifest

PERMIT # 1-4720-00317/00001

395642

Generator of Waste Material

1. Customer Name: Gyrodyne Industrial 2. Phone Number: _____
3. Street Address: 1 Flowerfield 4. City/State/Zip: Saint James 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 Gyrodyne Date: 2/26/18
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Septic Sludge	Cubic Yards Gallons Tons	25 cy	

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: Clear Brook 2. Address: 972 Nicolls Rd, Deer Park
3. Phone: 631 586 0002 4. Pump Out Date: 2/26/18
5. Vehicle License No: 25109 MD 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: Fred Diggs Signature: F Diggs Date: 2/26/18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 2-26-18 Time: _____ Sample ID# _____

Signature of Authorized Agent: Nancy Wagner Print Name Nancy Wagner

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

Ticket: 1140386
Date: 2/26/2018
Time: 15:07:20 - 15:38:28

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

Truck: 7005 License: 25109MD
Customer: Clearbrook
972 NICOLLS RD
DEER PARK, NY 11729-3806

Comment:

Manifest: 27817

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	8.83	Ton

Driver: _____ Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

ClearBrook

Waste Manifest Number
27817

972 Nicolls Road
Deer Park, NY 11729
Office: 631.586.0002
Fax: 631.586.0530
New York State DEC Licensed Transfer Facility
BIC # 1272

395845

7005

Non Hazardous Waste Manifest

PERMIT # 1-4720-00317/00001

Generator of Waste Material

1. Customer Name: Gyrodyne industrial 2. Phone Number: _____
3. Street Address: 1 Flowerfield 4. City/State/Zip: Saint James, 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: [signature] Agent of Gyrodyne Date: 2/26/18
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Septic Sludge	Cubic Yards Gallons Tons	12cy	

Others and special handling instructions, if any:

Industrial

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: Clear Brook 2/27 2. Address: 972 Nicolls rd. Deer Park
3. Phone: 631 586 0002 2/27 4. Pump Out Date: 2/26/18
5. Vehicle License No: 25109 MD 2/28 6. NYS DEC Permit No: 22,263

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: Fred Diggs Signature: F. Diggs Date: 2/26/18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 2-26-18 Time: _____ Sample ID# _____

Signature of Authorized Agent: [signature] Print Name [illegible]

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

Ticket: 1140452
Date: 2/27/2018
Time: 11:37:48 - 11:52:03

Gross: 65560 lb In Scale 1
Tare: 45860 lb Out Scale 1
Net: 19700 lb

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

Comment:

Manifest: 27149

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	9.85	Ton

Driver: _____

Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

PI 395843

ClearBrook

Waste Manifest Number
27149

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

Generator of Waste Material

1. Customer Name: Gyrodyne 2. Phone Number:
3. Street Address: 1 Flowerfield 4. City/State/Zip: St James

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: CA Agent of Gyrodyne Date: 2-27-18
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Nonhaz Soils	Cubic Yards Gallons Tons	15	

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: C3 2 1/2 2. Address:
3. Phone: 2 1/2 4. Pump Out Date: 2-27-18
5. Vehicle License No: X3fx40 2 1/2 6. NYS DEC Permit No: 2A263

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: CA Signature: Date: 2-27-18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 2-27-18 Time: Sample ID#

Signature of Authorized Agent: Nancy Wagner Print Name Nancy Wagner

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

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

Gross: 58840 lb In Scale 1
Tare: 45220 lb Out Scale 1
Net: 13620 lb

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

Comment:

Manifest: 27150

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	6.81	Ton

Driver: _____

Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

ClearBrook

P1
395922

Waste Manifest Number
27150

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

Generator of Waste Material

1. Customer Name: Gyrodyne 2. Phone Number: _____
3. Street Address: 1 Flowerfield 4. City/State/Zip: St. James

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: [signature] Agent of Gyrodyne Date: 2-26
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Non Haz Solids	Cubic Yards Gallons Tons	6	

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: CB 2. Address: _____
3. Phone: _____ 4. Pump Out Date: 2-26-18
5. Vehicle License No: XBEX46 6. NYS DEC Permit No: 2A263

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: CL Signature: [signature] Date: 2-26-18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 2.26-18 Time: _____ Sample ID# _____

Signature of Authorized Agent: [signature] Print Name Nancy Wagner

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

Ticket: 1140537
Date: 2/28/2018
Time: 11:23:34 - 11:50:02

Gross: 67880 lb In Scale 1
Tare: 51420 lb Out Scale 1
Net: 16460 lb

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

Comment:

Manifest: 27151

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

Driver: _____

Deputy Weighmaster: NANCY WAGNER

ClearBrook

PI 395955

Waste Manifest Number
27151

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

Generator of Waste Material

1. Customer Name: Cyrodyne 2. Phone Number: _____
3. Street Address: 1 Flowerfield 4. City/State/Zip: St James

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 Cyrodyne Date: 2-28-18
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Non haz solids	Cubic Yards Gallons Tons	15	

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: C3 2. Address: _____
3. Phone: _____ 4. Pump Out Date: 2-28-18
5. Vehicle License No: X3fx40 6. NYS DEC Permit No: 2A263

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: CA Signature: _____ Date: 2-28-18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 2-28-18 Time: _____ Sample ID# _____

Signature of Authorized Agent: Nancy Wagner Print Name Nancy Wagner

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

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

Gross: 65540 lb In Scale 1
Tare: 47620 lb Out Scale 1
Net: 17920 lb

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

Comment:

Manifest: 27148

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	8.96	Ton

Driver: _____

Deputy Weighmaster: NANCY WAGNER

ClearBrook

PI 395989

Waste Manifest Number
27148

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

Generator of Waste Material

1. Customer Name: Gyrodyne 2. Phone Number:
3. Street Address: 1 Flowerfield 4. City/State/Zip: St James

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: X Agent of Gyrodyne Date: 2-28-18
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Non haz soils	Cubic Yards Gallons Tons	15	

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: C3 2. Address:
3. Phone: 4. Pump Out Date: 2-28-18
5. Vehicle License No: X3FX40 6. NYS DEC Permit No: 2A2C3

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: DA Signature: Date: 2-28-18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 2-28-18 Time: Sample ID#
Signature of Authorized Agent: Nancy Wager Print Name Nancy Wager

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

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

MANIFEST NUMBER		
Part 1	Part 2	Part 3
2-26-18	8:30	203749
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

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler).

A. Volume:	Gallons: 3000	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 handling instructions, if any

2. GENERATOR OF WASTEWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Gyrodyne LLC. CHRIS B. Tel No.:

C. Complete Pickup Address: 1 FLOWERFIELD ST. JAMES 11780

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: Agent of Gyrodyne, Date: 2/26/18

3. **HAULER OF LIQUID WASTE** (Sections 3A, 3B, 3C, 3D and 3E must be completed by hauler)

A. Company name (print or type): Clear Flo
B. SCDPW Permit No. [illegible] C. Vehicle License No. 5287 D. Pump Out Date: 2-26-18
E. NYS DEC Permit No. [illegible]

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: Ruben Fuentes

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: 2/26/18 Sample ID No.: 203749

Signature of authorized agent and title:

PINK-GENERATOR YELLOW-TRANSPORTER WHITE_DISPOSAL FACILITY GOLD-FILE

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

MANIFEST NUMBER		
Part 1	Part 2	Part 3
2-27-18	9:20	203848
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

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	Gallons: 8000	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 handling instructions, if any _____

2. GENERATOR OF WASTEWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): BYRD DYNE B. Tel. No: _____

C. Complete Pickup Address: 1 FLOWERFIELD ST. JAMES 11780

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: Agent of Cyradyne Date: 2/27/18

3. **HAULER OF LIQUID WASTE** (Sections 3A, 3B, 3C, 3D and 3E must be completed by hauler)

A. Company name (print or type): [illegible]
B. SCDPW Permit No. [illegible] Vehicle License No. [illegible] D. Pump Out Date: 2-27-18
E. NYS DEC Permit No. 2A263

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: [illegible]

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: 2/27/18 Sample ID No: 203848

Signature of authorized agent and title: _____

PINK-GENERATOR YELLOW-TRANSPORTER WHITE-DISPOSAL FACILITY GOLD-FILE

APPENDIX D
PHOTO LOG

GYRODYNE PROPERTY (CATERING FACILITY)
1 FLOWERFIELD
ST. JAMES, NEW YORK

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:

P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716
Phone: 631-589-6353
Fax: 631-589-8705

Thomas Melia, PG, Sr. Project Manager thomasm@pwgrosser.com
Nicholas Iannucci, Field Hydrogeologist niannucci@pwgrosser.com

PWGC Project Number: GCA1704

APRIL 2018

PWGC
Strategic Environmental Engineering Solutions

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

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

PWGC
Strategic Environmental Engineering Solutions

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.
- 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

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.

- 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**.

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.

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.

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

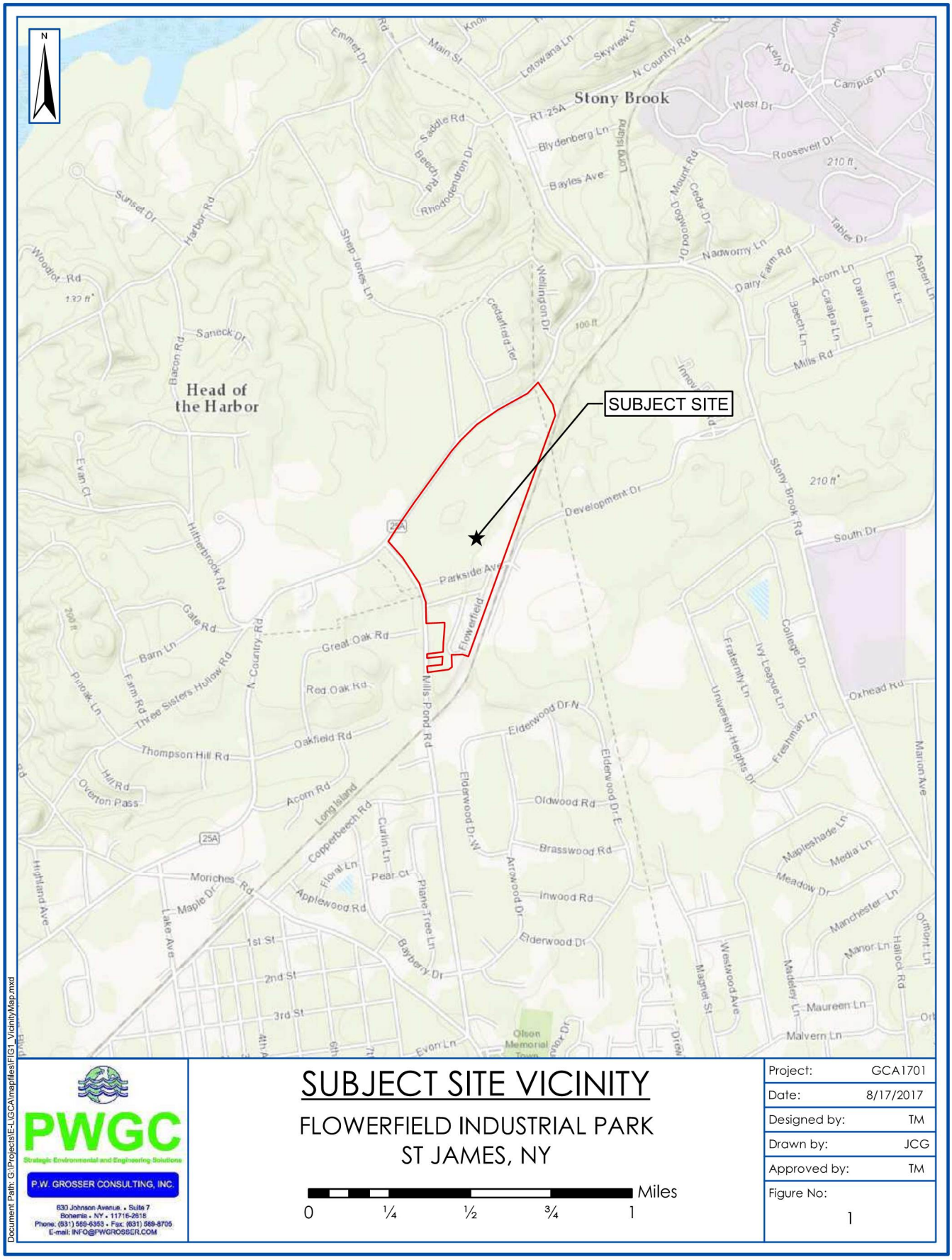
Confirmatory endpoint soil samples were collected from the base of structures CP010, CP011, and CP003 (aka ST004) to document the effectiveness of the cleanout. As structures GT001, GT002, ST001, ST002, ST003, and CP001 are solid bottom (non-leaching) structures, no endpoint sample was necessary. Endpoint 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.

FIGURES



PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Phone: (631) 589-6353 Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Document Path: G:\Projects\E-L\GCA\mapfiles\FIG1_VicinityMap.mxd

SUBJECT SITE VICINITY

FLOWERFIELD INDUSTRIAL PARK
ST JAMES, NY

0 ¼ ½ ¾ 1 Miles

Project:	GCA1701
Date:	8/17/2017
Designed by:	TM
Drawn by:	JCG
Approved by:	TM
Figure No:	1

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue. • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-6705
E-mail: INFO@PWGROSSER.COM

DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	GCA1705	Designed by:	KC
Date:	3/16/2018	Drawn by:	JCG
Scale:	AS SHOWN	Approved by:	TM

SITE PLAN

FLOWERFIELD CATERING
ST JAMES, NY

FIGURE NO:
2

TABLES

Table 1

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

CLIENT SAMPLE ID: LABORATORY ID: SAMPLING DATE	CAS Number	SCDHS Action Level	SCDHS Cleanup Objective	EP-CP003 L1808873-01 3/15/2018		EP-CP010 L1808721-01 3/14/2018		EP-CP011 L1808721-02 3/14/2017	
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	75-34-3	600	300	1.6	U	1.3	U	1.3	U
1,1-Dichloroethene	75-35-4	600	300	1	U	0.88	U	0.85	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	96-12-8	100	50	5.3	U	4.4	U	4.3	U
1,2-Dibromoethane	106-93-4	600	300	4.2	U	3.5	U	3.4	U
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	300	5.3	U	4.4	U	4.3	U
2-Butanone	78-93-3	400	200	10	U	8.8	U	9.6	
4-Methyl-2-pentanone	108-10-1	1,400	700	10	U	8.8	U	1.3	J
Acetone	67-64-1	**	**	5.5	J	17		68	
Benzene	71-43-2	120	60	1	U	0.88	U	0.85	U
Bromobenzene	108-86-1	2,800	1,400	5.3	U	4.4	U	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	1,600	800	1	U	0.88	U	0.85	U
Chlorobenzene	108-90-7	2,200	1,100	1	U	0.88	U	0.85	U
Chloroethane	75-00-3	400	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	U	0.88	U	0.85	U
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	2,000	1,000	1	U	0.88	U	0.7	J
Freon-113	76-13-1	12,000	6,000	5.3	U	18	U	17	U
Hexachlorobutadiene	87-68-3	54,000	27,000	1	U	4.4	U	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	U	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	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	95-49-8	5,200	2,600	2.1	U	4.4	U	4.3	U
o-Xylene	95-47-6	NS	1,600	2.1	U	1.8	U	1.7	U
p/m-Xylene	179601-23-1	NS	1,600	5.3	U	1.8	U	0.56	J
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	U	3.4	U
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
tert-Butylbenzene	98-06-6	12,000	5,900	1	U	4.4	U	4.3	U
Tetrachloroethene	127-18-4	2,600	1,300	0.24	J	0.88	U	0.85	U
Toluene	108-88-3	3,000	1,500	1.6	U	1.3	U	10	
trans-1,2-Dichloroethene	156-60-5	400	200	1	U	1.3	U	1.3	U
trans-1,3-Dichloropropene	10061-02-6	100	50	1	U	0.88	U	0.85	U
Trichloroethene	79-01-6	1,000	500	5.3	U	0.88	U	0.85	U
Trichlorofluoromethane	75-69-4	1,600	800	2.1	U	4.4	U	4.3	U
Vinyl chloride	75-01-4	100	50	2.1	U	1.8	U	1.7	U

Notes:
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

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

CLIENT SAMPLE ID: LABORATORY ID: SAMPLING DATE	CAS Number	SCDHS Action Level	SCDHS Cleanup Objective	EP-CP003 L1808873-01 3/15/2018	
Total Metals					
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.
** - 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

APPENDIX A
CORRESPONDENCE

COUNTY OF SUFFOLK

STEVEN BELLONE
SUFFOLK COUNTY EXECUTIVE

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: Flowerfield Industrial Park and Catering **SCFR# 04458**
1 Flowerfield, Saint James, NY

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.ny.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-

Flowerfield Industrial Campus

Impacted Structure(s):	Contaminant(s) Found:	Endpoint(s) for:
Storm Water Drywells		
SD-13, SD-17	SVOCs	SVOCs
Sanitary Systems		
9ST, 9PLP, 9SLPC, 10ST, 12PLP, 13ST, 13PLP, 14ST	VOCs	VOCs
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 http://www.epa.gov/safewater/uic 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

Edward Roe
Senior Public Health Sanitarian
(631) 854-2534

CC: T. Melia, PWGC; NYSDEC, USEPA

APPENDIX B
LABORATORY ANALYTICAL REPORTS

ALPHA ANALYTICAL

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

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

Project Name: GYRODYNE-CATERING
Project Number: GCA1705

Lab Number: L1808721
Report Date: 03/21/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1808721-01	EP-CP010	SOIL	1 FLOWERFIELD, ST. JAMES, NY	03/14/18 14:45	03/14/18
L1808721-02	EP-CP011	SOIL	1 FLOWERFIELD, ST. JAMES, NY	03/14/18 15:00	03/14/18

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.

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.

Authorized Signature: Cristin Walker Cristin Walker

Title: Technical Director/Representative Date: 03/21/18

ORGANICS

VOLATILES

Serial_No:03211811:43

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

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:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/18 16:30
Analyst: KD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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

Serial_No:03211811:43

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

SAMPLE RESULTS

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

SAMPLE RESULTS

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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

Serial_No:03211811:43

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

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: 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 - Westborough 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

Serial_No:03211811:43

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

SAMPLE RESULTS

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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
4-Methyl-2-pentanone	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
1,2-Dibromoethane	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

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

SAMPLE RESULTS

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

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

Serial_No:03211811:43

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

Method Blank Analysis
Batch Quality Control

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

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1098335-5					
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		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

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

Method Blank Analysis
Batch Quality Control

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

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(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
Isopropylbenzene	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
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25

Serial_No:03211811:43

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

Method Blank Analysis
Batch Quality Control

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

Parameter	Result	Qualifier	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	

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Serial_No:03211811:43

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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 sample(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

Serial_No:03211811:43

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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 sample(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

Serial_No:03211811:43

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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 sample(s): 02 Batch: WG1098741-5					
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	

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1098335-3 WG1098335-4								
Methylene chloride	92		93		70-130	1		30
1,1-Dichloroethane	99		100		70-130	1		30
Chloroform	94		96		70-130	2		30
Carbon tetrachloride	104		107		70-130	3		30
1,2-Dichloropropane	99		99		70-130	0		30
Dibromochloromethane	92		93		70-130	1		30
1,1,2-Trichloroethane	98		97		70-130	1		30
Tetrachloroethene	97		98		70-130	1		30
Chlorobenzene	94		94		70-130	0		30
Trichlorofluoromethane	106		107		70-139	1		30
1,2-Dichloroethane	95		98		70-130	3		30
1,1,1-Trichloroethane	102		103		70-130	1		30
Bromodichloromethane	97		99		70-130	2		30
trans-1,3-Dichloropropene	83		84		70-130	1		30
cis-1,3-Dichloropropene	95		97		70-130	2		30
1,1-Dichloropropene	103		103		70-130	0		30
Bromoform	85		88		70-130	3		30
1,1,2,2-Tetrachloroethane	94		95		70-130	1		30
Benzene	95		97		70-130	2		30
Toluene	95		96		70-130	1		30
Ethylbenzene	96		97		70-130	1		30
Vinyl chloride	104		104		67-130	0		30
Chloroethane	97		93		50-151	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1098335-3 WG1098335-4								
1,1-Dichloroethene	104		104		65-135	0		30
trans-1,2-Dichloroethene	96		98		70-130	2		30
Trichloroethene	97		98		70-130	1		30
1,2-Dichlorobenzene	93		95		70-130	2		30
1,3-Dichlorobenzene	93		94		70-130	1		30
1,4-Dichlorobenzene	92		92		70-130	0		30
Methyl tert butyl ether	97		99		66-130	2		30
p/m-Xylene	90		91		70-130	1		30
o-Xylene	90		90		70-130	0		30
cis-1,2-Dichloroethene	96		98		70-130	2		30
Dibromomethane	94		96		70-130	2		30
Styrene	88		89		70-130	1		30
Dichlorodifluoromethane	104		105		30-146	1		30
Acetone	136		127		54-140	7		30
2-Butanone	112		107		70-130	5		30
4-Methyl-2-pentanone	89		91		70-130	2		30
1,2,3-Trichloropropane	94		95		68-130	1		30
Bromochloromethane	96		98		70-130	2		30
2,2-Dichloropropane	107		107		70-130	0		30
1,2-Dibromoethane	94		97		70-130	3		30
1,3-Dichloropropane	97		98		69-130	1		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	94		95		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1098335-3 WG1098335-4								
n-Butylbenzene	99		100		70-130	1		30
sec-Butylbenzene	99		101		70-130	2		30
tert-Butylbenzene	98		100		70-130	2		30
o-Chlorotoluene	83		82		70-130	1		30
p-Chlorotoluene	95		98		70-130	3		30
1,2-Dibromo-3-chloropropane	85		88		68-130	3		30
Hexachlorobutadiene	96		97		67-130	1		30
Isopropylbenzene	98		100		70-130	2		30
p-Isopropyltoluene	98		99		70-130	1		30
Naphthalene	92		94		70-130	2		30
n-Propylbenzene	98		100		70-130	2		30
1,2,3-Trichlorobenzene	94		95		70-130	1		30
1,2,4-Trichlorobenzene	94		96		70-130	2		30
1,3,5-Trimethylbenzene	95		96		70-130	1		30
1,2,4-Trimethylbenzene	97		98		70-130	1		30
Freon-113	123		122		50-139	1		30
p-Diethylbenzene	97		99		70-130	2		30
p-Ethyltoluene	98		99		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		97		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

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

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1098741-3 WG1098741-4								
Methylene chloride	99		97		70-130	2		30
1,1-Dichloroethane	105		102		70-130	3		30
Chloroform	101		99		70-130	2		30
Carbon tetrachloride	108		105		70-130	3		30
1,2-Dichloropropane	108		105		70-130	3		30
Dibromochloromethane	98		98		70-130	0		30
1,1,2-Trichloroethane	105		103		70-130	2		30
Tetrachloroethene	98		94		70-130	4		30
Chlorobenzene	98		95		70-130	3		30
Trichlorofluoromethane	106		103		70-139	3		30
1,2-Dichloroethane	105		103		70-130	2		30
1,1,1-Trichloroethane	104		102		70-130	2		30
Bromodichloromethane	106		104		70-130	2		30
trans-1,3-Dichloropropene	91		90		70-130	1		30
cis-1,3-Dichloropropene	104		103		70-130	1		30
1,1-Dichloropropene	106		101		70-130	5		30
Bromoform	94		93		70-130	1		30
1,1,2,2-Tetrachloroethane	104		103		70-130	1		30
Benzene	102		99		70-130	3		30
Toluene	98		95		70-130	3		30
Ethylbenzene	99		97		70-130	2		30
Vinyl chloride	103		102		67-130	1		30
Chloroethane	98		102		50-151	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1098741-3 WG1098741-4								
1,1-Dichloroethene	104		102		65-135	2		30
trans-1,2-Dichloroethene	102		98		70-130	4		30
Trichloroethene	101		97		70-130	4		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	97		94		70-130	3		30
1,4-Dichlorobenzene	94		92		70-130	2		30
Methyl tert butyl ether	108		106		66-130	2		30
p/m-Xylene	93		90		70-130	3		30
o-Xylene	93		90		70-130	3		30
cis-1,2-Dichloroethene	102		100		70-130	2		30
Dibromomethane	104		102		70-130	2		30
Styrene	93		89		70-130	4		30
Dichlorodifluoromethane	106		99		30-146	7		30
Acetone	**152**	Q	137		54-140	10		30
2-Butanone	119		118		70-130	1		30
4-Methyl-2-pentanone	102		100		70-130	2		30
1,2,3-Trichloropropane	102		103		68-130	1		30
Bromochloromethane	105		102		70-130	3		30
2,2-Dichloropropane	110		108		70-130	2		30
1,2-Dibromoethane	102		100		70-130	2		30
1,3-Dichloropropane	105		103		69-130	2		30
1,1,1,2-Tetrachloroethane	100		98		70-130	2		30
Bromobenzene	97		96		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1098741-3 WG1098741-4								
n-Butylbenzene	100		97		70-130	3		30
sec-Butylbenzene	100		97		70-130	3		30
tert-Butylbenzene	99		96		70-130	3		30
o-Chlorotoluene	86		100		70-130	15		30
p-Chlorotoluene	99		96		70-130	3		30
1,2-Dibromo-3-chloropropane	99		95		68-130	4		30
Hexachlorobutadiene	94		90		67-130	4		30
Isopropylbenzene	100		97		70-130	3		30
p-Isopropyltoluene	100		97		70-130	3		30
Naphthalene	100		96		70-130	4		30
n-Propylbenzene	100		97		70-130	3		30
1,2,3-Trichlorobenzene	98		92		70-130	6		30
1,2,4-Trichlorobenzene	98		93		70-130	5		30
1,3,5-Trimethylbenzene	97		95		70-130	2		30
1,2,4-Trimethylbenzene	100		98		70-130	2		30
Freon-113	123		117		50-139	5		30
p-Diethylbenzene	99		96		70-130	3		30
p-Ethyltoluene	100		97		70-130	3		30
1,2,4,5-Tetramethylbenzene	99		96		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

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

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	98		98		70-130

INORGANICS
&
MISCELLANEOUS

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

SAMPLE RESULTS

Lab ID: L1808721-01
Client ID: EP-CP010
Sample Location: 1 FLOWERFIELD, ST. JAMES, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/14/18 14:45
Date Received: 03/14/18
Field Prep: Not Specified

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

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

SAMPLE RESULTS

Lab ID: L1808721-02
Client ID: EP-CP011
Sample Location: 1 FLOWERFIELD, ST. JAMES, NY
Sample Depth:
Matrix: Soil

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

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

Lab Duplicate Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING
Project Number: GCA1705

Lab Number: L1808721
Report Date: 03/21/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD 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	91.7	92.5	%	1		20

Project Name: GYRODYNE-CATERING
Project Number: GCA1705

Lab Number: L1808721
Report Date: 03/21/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808721-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.7	Y	Absent		TS(7),NYTCL-8260(14)
L1808721-01X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1808721-01Y	Vial Water preserved split	A	NA		2.7	Y	Absent	17-MAR-18 13:31	NYTCL-8260(14)
L1808721-01Z	Vial Water preserved split	A	NA		2.7	Y	Absent	17-MAR-18 13:31	NYTCL-8260(14)
L1808721-02A	Vial Large Septa unpreserved (4oz)	A	NA		2.7	Y	Absent		TS(7),NYTCL-8260(14)
L1808721-02X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1808721-02Y	Vial Water preserved split	A	NA		2.7	Y	Absent	17-MAR-18 13:31	NYTCL-8260(14)
L1808721-02Z	Vial Water preserved split	A	NA		2.7	Y	Absent	17-MAR-18 13:31	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721 Page G-241
Project Number: GCA1705 **Report Date:** 03/21/18

GLOSSARY

Acronyms

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.

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 - 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

1 - 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 Water-preserved 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".

B - 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

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721 Page G-242
Project Number: GCA1705 **Report Date:** 03/21/18

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).

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.

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

Project Name: GYRODYNE-CATERING **Lab Number:** L1808721
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.

Alpha Analytical, Inc. ID No.:**17873**
Facility: **Company-wide** Revision 11
Department: **Quality Assurance** Published Date: 1/8/2018 4:15:49 PM
Title: **Certificate/Approval Program Summary** Page 1 of 1

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (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-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 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.
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.

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/15/18

ALPHA Job #: L1808721

Client Information
Client: PWGC
Address: 630 Johnson Ave Ste 7
Bohemia, NY 11716
Phone: (631) 589-6353
Fax:
Email: thomas.m@pwgross.com

Project Information
Project Name: Gyrodyne - Catering
Project Location: 1 Flowerfield, St. James, NY
Project #: GCA1705
(Use Project name as Project #)
Project Manager: Tom Melia
ALPHAQuote #:

Turn-Around Time
Standard: X — Due Date:
Rush (only if pre approved): — # of Days:

Deliverables
ASP-A — ASP-B
EQuIS (1 File) — EQuIS (4 File)
Other: Results only

Billing Information
Same as Client Info
PO #

Regulatory Requirement
NY TOGS — NY Part 375
AWQ Standards — NY CP-51
NY Restricted Use — Other
NY Unrestricted Use
NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: NJ — NY — Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
SL DHS VOCs

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SL DHS VOCs	Sample Specific Comments
08721 - 01	EP-CP010	3/14/18	1445	S	MI	X	
02	EP-CP011	↓	1500	↓	↓	X	

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type: A
Preservative: A

Relinquished By:	Date/Time	Received By:	Date/Time
	3/14/18 1700		3/14/18 1815
Paul Mazzella	3/15/18 0242	Paul Mazzella	3/14/18 2145
			3/15/18 0242

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1808873
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

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

Project Name: GYRODYNE-CATERING
Project Number: GCA1705

Lab Number: L1808873
Report Date: 03/21/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1808873-01	EP-CP003	SOIL	ST. JAMES, NY	03/15/18 12:45	03/15/18

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873
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.

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

ORGANICS

VOLATILES

Serial_No:03211818:42

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873
Project Number: GCA1705 **Report Date:** 03/21/18

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:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/21/18 10:48
Analyst: JC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/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	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.0	0.32	1
Chlorobenzene	ND		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	0.32	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	0.31	1
Benzene	ND		ug/kg	1.0	0.20	1
Toluene	0.24	J	ug/kg	1.6	0.20	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	0.25	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

Serial_No:03211818:42

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:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough 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

Serial_No:03211818:42

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:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Serial_No:03211818:42

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/21/18 09:25
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(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		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

Serial_No:03211818:42

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/21/18 09:25
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(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

Serial_No:03211818:42

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/21/18 09:25
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1099178-5					
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		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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1099178-3 WG1099178-4								
Methylene chloride	100		97		70-130	3		30
1,1-Dichloroethane	108		104		70-130	4		30
Chloroform	102		99		70-130	3		30
Carbon tetrachloride	112		108		70-130	4		30
1,2-Dichloropropane	110		107		70-130	3		30
Dibromochloromethane	98		95		70-130	3		30
1,1,2-Trichloroethane	103		102		70-130	1		30
Tetrachloroethene	95		92		70-130	3		30
Chlorobenzene	97		93		70-130	4		30
Trichlorofluoromethane	106		101		70-139	5		30
1,2-Dichloroethane	108		105		70-130	3		30
1,1,1-Trichloroethane	108		102		70-130	6		30
Bromodichloromethane	105		101		70-130	4		30
trans-1,3-Dichloropropene	93		89		70-130	4		30
cis-1,3-Dichloropropene	106		103		70-130	3		30
1,1-Dichloropropene	108		104		70-130	4		30
Bromoform	90		89		70-130	1		30
1,1,2,2-Tetrachloroethane	100		99		70-130	1		30
Benzene	102		99		70-130	3		30
Toluene	98		95		70-130	3		30
Ethylbenzene	100		95		70-130	5		30
Vinyl chloride	112		108		67-130	4		30
Chloroethane	104		101		50-151	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1099178-3 WG1099178-4								
1,1-Dichloroethene	106		96		65-135	10		30
trans-1,2-Dichloroethene	103		99		70-130	4		30
Trichloroethene	102		98		70-130	4		30
1,2-Dichlorobenzene	95		92		70-130	3		30
1,3-Dichlorobenzene	95		90		70-130	5		30
1,4-Dichlorobenzene	93		90		70-130	3		30
Methyl tert butyl ether	105		105		66-130	0		30
p/m-Xylene	93		89		70-130	4		30
o-Xylene	92		89		70-130	3		30
cis-1,2-Dichloroethene	102		98		70-130	4		30
Dibromomethane	102		101		70-130	1		30
Styrene	91		88		70-130	3		30
Dichlorodifluoromethane	107		100		30-146	7		30
Acetone	124		131		54-140	5		30
2-Butanone	111		113		70-130	2		30
4-Methyl-2-pentanone	98		99		70-130	1		30
1,2,3-Trichloropropane	102		98		68-130	4		30
Bromochloromethane	102		100		70-130	2		30
2,2-Dichloropropane	118		112		70-130	5		30
1,2-Dibromoethane	99		98		70-130	1		30
1,3-Dichloropropane	103		102		69-130	1		30
1,1,1,2-Tetrachloroethane	100		96		70-130	4		30
Bromobenzene	94		91		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1099178-3 WG1099178-4								
n-Butylbenzene	101		96		70-130	5		30
sec-Butylbenzene	101		96		70-130	5		30
tert-Butylbenzene	99		95		70-130	4		30
o-Chlorotoluene	86		82		70-130	5		30
p-Chlorotoluene	99		94		70-130	5		30
1,2-Dibromo-3-chloropropane	92		92		68-130	0		30
Hexachlorobutadiene	93		88		67-130	6		30
Isopropylbenzene	100		95		70-130	5		30
p-Isopropyltoluene	99		94		70-130	5		30
Naphthalene	96		94		70-130	2		30
n-Propylbenzene	101		96		70-130	5		30
1,2,3-Trichlorobenzene	93		91		70-130	2		30
1,2,4-Trichlorobenzene	93		90		70-130	3		30
1,3,5-Trimethylbenzene	97		92		70-130	5		30
1,2,4-Trimethylbenzene	99		95		70-130	4		30
Freon-113	127		88		50-139	**36**	Q	30
p-Diethylbenzene	98		93		70-130	5		30
p-Ethyltoluene	100		95		70-130	5		30
1,2,4,5-Tetramethylbenzene	97		93		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1099178-3 WG1099178-4

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		101		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	96		96		70-130

METALS

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%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.605		mg/kg	0.492	0.102	1	03/16/18 21:25	03/19/18 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	03/19/18 17:11	EPA 3050B	1,6010C	AB
Cadmium, Total	0.103	J	mg/kg	0.492	0.048	1	03/16/18 21:25	03/19/18 17:11	EPA 3050B	1,6010C	AB
Chromium, Total	8.13		mg/kg	0.492	0.047	1	03/16/18 21:25	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	03/19/18 17:11	EPA 3050B	1,6010C	AB
Lead, Total	3.64		mg/kg	2.46	0.132	1	03/16/18 21:25	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

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873

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

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1097881-1										
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	ND		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	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1097991-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/17/18 09:00	03/17/18 16:04	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1097881-2 SRM Lot Number: D098-540								
Arsenic, Total	101		-		83-117	-		
Barium, Total	94		-		82-118	-		
Beryllium, Total	94		-		83-117	-		
Cadmium, Total	93		-		82-117	-		
Chromium, Total	97		-		83-119	-		
Copper, Total	98		-		84-116	-		
Lead, Total	91		-		82-117	-		
Nickel, Total	92		-		82-117	-		
Silver, Total	100		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1097991-2 SRM Lot Number: D098-540								
Mercury, Total	125		-		50-149	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GYRODYNE-CATERING
Project Number: GCA1705
Lab Number: L1808873
Report Date: 03/21/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1097881-3 QC Sample: L1808901-01 Client ID: MS Sample												
Arsenic, Total	4.37	11.2	13.8	84		-	-		75-125	-		20
Barium, Total	128.	187	343	115		-	-		75-125	-		20
Beryllium, Total	0.506	4.68	3.66	**67**	Q	-	-		75-125	-		20
Cadmium, Total	0.294J	4.77	3.68	77		-	-		75-125	-		20
Chromium, Total	13.4	18.7	27.5	75		-	-		75-125	-		20
Copper, Total	26.6	23.4	63.7	**158**	Q	-	-		75-125	-		20
Lead, Total	133.	47.7	208	**157**	Q	-	-		75-125	-		20
Nickel, Total	9.95	46.8	40.4	**65**	Q	-	-		75-125	-		20
Silver, Total	ND	28.1	22.9	82		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1097991-3 QC Sample: L1808999-01 Client ID: MS Sample												
Mercury, Total	0.09	0.135	0.27	**133**	Q	-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING
Project Number: GCA1705

Lab Number: L1808873
Report Date: 03/21/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1097881-4 QC Sample: L1808901-01 Client ID: DUP Sample						
Arsenic, Total	4.37	4.84	mg/kg	10		20
Barium, Total	128.	119	mg/kg	7		20
Cadmium, Total	0.294J	0.325J	mg/kg	NC		20
Chromium, Total	13.4	13.0	mg/kg	3		20
Lead, Total	133.	131	mg/kg	2		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1097991-4 QC Sample: L1808999-01 Client ID: DUP Sample						
Mercury, Total	0.09	0.09	mg/kg	2		20

INORGANICS
&
MISCELLANEOUS

Serial_No:03211818:42

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873 Page G-269
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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	03/17/18 12:24	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: GYRODYNE-CATERING
Project Number: GCA1705

Lab Number: L1808873
Report Date: 03/21/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1098040-1 QC Sample: L1809035-01 Client ID: DUP Sample						
Solids, Total	87.8	87.1	%	1		20

Project Name: GYRODYNE-CATERING
Project Number: GCA1705

Lab Number: L1808873
Report Date: 03/21/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808873-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.7	Y	Absent		NYSUFFOLK-8260(14),TS(7)
L1808873-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L1808873-01X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYSUFFOLK-8260(14)
L1808873-01Y	Vial Water preserved split	A	NA		2.7	Y	Absent	17-MAR-18 13:31	NYSUFFOLK-8260(14)
L1808873-01Z	Vial Water preserved split	A	NA		2.7	Y	Absent	17-MAR-18 13:31	NYSUFFOLK-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873
Project Number: GCA1705 **Report Date:** 03/21/18

GLOSSARY

Acronyms

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.

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 - 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

1 - 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 Water-preserved 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".

B - 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

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873
Project Number: GCA1705 **Report Date:** 03/21/18

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).

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.

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

Project Name: GYRODYNE-CATERING **Lab Number:** L1808873
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.

Alpha Analytical, Inc. ID No.:**17873**
Facility: **Company-wide** Revision 11
Department: **Quality Assurance** Published Date: 1/8/2018 4:15:49 PM
Title: **Certificate/Approval Program Summary** Page 1 of 1

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (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, SM4500Cl-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-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 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.
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.

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 03-16-2018

ALPHA Job #: L1808873

Client Information
Client: PWGC
Address: 630 Johnson Ave Ste 7
Bohemia, NY 11716
Phone: (631) 589-6353
Fax:
Email: thomasm@pwgross9.com

Project Information
Project Name: Gyrodyne Catering
Project Location: St. James, NY
Project #: GCA1705
(Use Project name as Project #)
Project Manager: Tom Melia
ALPHAQuote #:

Turn-Around Time
Standard
Rush (only if pre approved)
Due Date:
# of Days:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
- ASP-A
- ASP-B
- EQuIS (1 File)
- EQuIS (4 File)
- Other: Results only

Regulatory Requirement
- NY TOGS
- NY Part 375
- AWQ Standards
- NY CP-51
- NY Restricted Use
- Other
- NY Unrestricted Use
- NYC Sewer Discharge

Billing Information
- Same as Client Info

PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.

Disposal Facility:
- NJ
- NY
- Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260HS VOC	6010HS metals
08873-01	EP-CP003	3/15/18	1245	S	NT	X	X

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

Sample Specific Comments

Total # Bottles

Container Type	A	A
Preservative	A	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	3/15/18 1400		3-15-18 1531
	3/15/18 19:13		3/15/18 19:15
	3/15/18 2340		3/15/18 2340

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX C
WASTE MANIFESTS

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

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 lb

Truck: 7011 License: RB03361
Customer: Clearbrook
972 NICOLLS RD
DEER PARK, NY 11729-3806

Comment: Manifest: 22804

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	10.93	Ton

Driver: _____ Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

ClearBrook

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

Truck #7011
WO# 39643C

Generator of Waste Material

1. Customer Name: Gyrodyne Catering Hall 2. Phone Number: _____

3. Street Address: 1 Flowerfield 4. City/State/Zip: Saint James, NY 11780

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: [signature] Agent of Gyrodyne Date: 3/6/18

Print Name: Nicholas Iannucci

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
NON HAZ DEBRIES	Cubic Yards Gallons Tons	10	2A-263

Others and special handling instructions, if any:

18205

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: Clear Brook 2. Address: 972 Nicolls Rd Deer Park NY

3. Phone: (631) 586-0002 4. Pump Out Date: 3/6/18

5. Vehicle License No: 21498MG 6. NYS DEC Permit No: _____

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: OSCAR MARQUINA Signature: [signature] Date: 3/6/18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 3-6-18 Time: _____ Sample ID# _____

Signature of Authorized Agent: [signature] Print Name Nancy Wagner

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

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

Truck: 7007 License: 25107MD
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

Driver: _____ Deputy Weighmaster: NANCY WAGNER

ClearBrook

Waste Manifest Number
27192

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

TRUCK 7007
Work 396437

PERMIT # 1-4720-00317/00001

Generator of Waste Material

1. Customer Name: CATERING HALL Gyrodyne 2. Phone Number:
3. Street Address: 1 FLOWERFIELD 4. City/State/Zip: SAINT JAMES, 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: x Agent of Gyrodyne Date: 3/6/18
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (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 Brook 2. Address: 972 Nicolls Rd
3. Phone: (631) 586-0002 4. Pump Out Date: 3/6/18
5. Vehicle License No: 25107 MD 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: José Gomez Signature: José 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: 3-6-18 Time: Sample ID#

Signature of Authorized Agent: Print Name

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

Ticket: 1141439
Date: 3/14/2018
Time: 12:26:10 - 13:02:20

Gross: 63460 lb In Scale 1
Tare: 44800 lb Out Scale 1
Net: 18660 lb

Truck: 7010 License: RA92750
Customer: Clearbrook
972 NICOLLS RD
DEER PARK, NY 11729-3806

Carrier: Clearbrook
Comment:

Manifest: 28078

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	SANTYGRIT/Sanitary Grit	9.33	Ton

Driver: _____ Deputy Weighmaster: NANCY WAGNER

ClearBrook

Waste Manifest Number
28078

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

Truck# 7010
WO# 396918

Generator of Waste Material

1. Customer Name: Catering Hall 2. Phone Number:
3. Street Address: 1 Flowerfield 4. City/State/Zip: Saint James 11780

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 Gyrodyne Date: 3/14/18
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/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

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: Clear Brook 2. Address: 972 Nicolls Rd Deer Park
3. Phone: (631)586-0002 4. Pump Out Date: 3/14/18
5. Vehicle License No: 21497-MG 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: Anthony Williams Signature: Anthony Williams Date: 3/14/18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 3-14-18 Time: Sample ID#

Signature of Authorized Agent: Nancy Lugo Print Name Nancy Lugo

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

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

Truck: 7010 License: RA92750
Customer: Clearbrook
972 NICOLLS RD
DEER PARK, NY 11729-3806

Carrier: Clearbrook
Comment:

Manifest: 28079

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	SANTYGRIT/Sanitary Grit	6.28	Ton

Driver: _____ Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

ClearBrook

Waste Manifest Number
28079

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

Truck #7010
WO# 397216

PERMIT # 1-4720-00317/00001

Generator of Waste Material

1. Customer Name: Catering Hall
2. Phone Number:
3. Street Address: 1 Flowerfield
4. City/State/Zip: Saint James NY 11780

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 Eyradyne Date: 3/14/18
Print Name: Nicholas Iannucci

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
non haz solid material	Cubic Yards Gallons Tons	10	

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: Clear Brook
2. Address: 972 Nicolls Rd Deer Park
3. Phone: (631) 586-0002
4. Pump Out Date: 3/14/18
5. Vehicle License No: 21497-MG
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: Anthony Williams Signature: Anthony W. Williams Date: 3/14/18

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 3/14/18 Time: Sample ID#

Signature of Authorized Agent: Nancy Wright Print Name Nancy Wright

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

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

MANIFEST NUMBER		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

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	Gallons: 5,000	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 handling instructions, if any

2. GENERATOR OF WASTEWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Caterin Hall B. Tel. No.:

C. Complete Pickup Address: 1 Flowerfield Saint James

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: Agent of Cyradyne Date: 3-14-18

3. **HAULER OF LIQUID WASTE** (Sections 3A, 3B, 3C, 3D and 3E must be completed by hauler)

A. Company name (print or type): Clearbrook
B. SCDPW Permit No. 80635 C. Vehicle License No. F14101 D. Pump Out Date: 3-14-18
E. NYS DEC Permit No. 2A 263

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: Ramon Martinez

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: 3/14/18 Sample ID No.: 204925

Signature of authorized agent and title:

PINK-GENERATOR YELLOW-TRANSPORTER WHITE_DISPOSAL FACILITY GOLD-FILE

Envio Clear Blue

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

MANIFEST NUMBER		
Part 1	Part 2	Part 3
03/06/18	10:30 AM	204406
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

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	Gallons: 1,000	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 handling instructions, if any _____

2. GENERATOR OF WASTEWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Catering Hall - Syosset B. Tel. No.: _____

C. Complete Pickup Address: 1 Plaza Rd S Jamesport

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: [signature] Date: 3/6/18

3. **HAULER OF LIQUID WASTE** (Sections 3A, 3B, 3C, 3D and 3E must be completed by hauler)

A. Company name (print or type): Direct Drains
B. SCDPW Permit No.: 2-15-6 C. Vehicle License No.: 5C68897 D. Pump Out Date: 3/6/18
E. NYS DEC Permit No.: 1A-628

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: [signature]

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: 3-6-18 Sample ID No.: 204406

Signature of authorized agent and title: [signature]

PINK-GENERATOR YELLOW-TRANSPORTER WHITE-DISPOSAL FACILITY GOLD-FILE

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

MANIFEST NUMBER		
Part 1	Part 2	Part 3
3/5/18	7am	204360
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

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	Gallons: 7,000	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 handling instructions, if any: _____

2. GENERATOR OF WASTEWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Glen Hill Cyclone B. Tel. No: _____

C. Complete Pickup Address: 11 Plaza Rd Jamaica

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: Agent (as agent) Date: 3/5/18

3. **HAULER OF LIQUID WASTE** (Sections 3A, 3B, 3C, 3D and 3E must be completed by hauler)

A. Company name (print or type): Direct Rail Mgt

B. SCDPW Permit No: 2756 C. Vehicle License No: CC6857 D. Pump Out Date: 3/6/18

E. NYS DEC Permit No: 14-628

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: 3-6-18 Sample ID No.: 204360

Signature of authorized agent and title: _____

PINK-GENERATOR YELLOW-TRANSPORTER WHITE_DISPOSAL FACILITY GOLD-FILE

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

MANIFEST NUMBER		
Part 1	Part 2	Part 3
3/6/18	6:35am	204362
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

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	Gallons: 5000	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 handling instructions, if any

2. GENERATOR OF WASTEWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): CATERING HALL B. Tel. No:

C. Complete Pickup Address: 1 FLOWERFIELD SAINT JAMES, NY 11780

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: X Agent of Cyrodyne Date: 3/6/18

3. **HAULER OF LIQUID WASTE** (Sections 3A, 3B, 3C, 3D and 3E must be completed by hauler)

A. Company name (print or type): Clear Brook
B. SCDPW Permit No: 8033-25 C. Vehicle License No: BD35422 D. Pump Out Date: 3/6/18
E. NYS DEC Permit No: 24263

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: 3-6-18 Sample ID No.: 204362

Signature of authorized agent and title:

PINK-GENERATOR YELLOW-TRANSPORTER WHITE_DISPOSAL FACILITY GOLD-FILE

COUNTY OF SUFFOLK

STEVE LEVY
SUFFOLK COUNTY EXECUTIVE

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 Roe

Janet M. Gremli

Edward Roe, *Project Manager*
Public Health Sanitarian
Bureau of Environmental Investigation and Remediation

Janet M. Gremli
Associate Public Health Sanitarian

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 frankc@pwgrosser.com
Thomas Melia, Project Manager thomasm@pwgrosser.com

PWGC Project Number: GCA1101

AUGUST 2011

PWGC
Strategic Environmental Engineering Solutions

GYRODYNE PROPERTY
SAINT JAMES, NEW YORK

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

PWGC
Strategic Environmental Engineering Solutions

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 re-development 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*

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).
  - 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:

- *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.

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 1A**, **Table 1B**, and **Table 1C**.

PWGC
Strategic Environmental Engineering Solutions

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).

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**.

PWGC
Strategic Environmental Engineering Solutions

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.

PWGC
Strategic Environmental Engineering Solutions

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.

PWGC
Strategic Environmental Engineering Solutions

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.

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.

FIGURES

PWGC
Strategic Environmental and Engineering Solutions

P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, - Suite 7
Bohemia - NY - 11716-2618
Phone: (631) 589-6353 - Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

DRAWINGS PREPARED FOR:

Orthoimagery Provided By:
USGS Seamless Database

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

PROJECT:	GCA1101	APPROVED BY:	TM
DESIGNED BY:	DE	DATE:	6/8/2011
DRAWN BY:	NCJ	SCALE:	AS SHOWN

SHEET TITLE:

1 FLOWERFIELD #24
ST. JAMES, NY

FIGURE NO:
1

SHEET:

TABLES

Table 1A
Characterization Sample Analytical Data - Volatile Organic Compounds
Gyrodyne Property - St. James, NY

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[1]	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	176 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	195 U	3.53 U	3.62 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	154 U	4.07 U	4.18 U	3.37 U	0.77 U	3.80 U	0.71 U
1,1,2-Trichloroethane	200	1.45	5.47	315 U	184 U	4.27 U	4.39 U	3.54 U	0.81 U	3.99 U	0.74 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	12,000	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
1,1-Dichloroethane	600	1.31	4.95	354 U	207 U	3.86 U	3.97 U	3.20 U	0.74 U	3.61 U	0.67 U
1,1-Dichloroethene	600	0.85	3.21	326 U	191 U	2.51 U	2.58 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	3.69 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	3.35 U	2.70 U	0.62 U	3.04 U	0.57 U
1,2,3-Trichloropropane	100	1.63	6.16	273 U	160 U	4.81 U	4.95 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	160 U	4.00 U	4.11 U	3.32 U	0.76 U	3.73 U	0.70 U
1,2-Dichlorobenzene	2,200	1.08	4.08	280 U	164 U	3.19 U	3.28 U	539	0.61 U	6.86	0.55 U
1,2-Dichloroethane	100	1.33	5.03	340 U	199 U	3.93 U	4.04 U	3.26 U	0.75 U	3.67 U	0.68 U
1,2-Dichloropropane	100	1.36	5.12	312 U	182 U	4.00 U	4.11 U	3.32 U	0.76 U	3.73 U	0.70 U
1,3,5-Trimethylbenzene	16,800	2.62	32.80	626	168 U	20.7	3.07 U	297	0.57 U	2.79 U	0.52 U
1,3-Dichlorobenzene	4,800	1.22	4.60	270 U	158 U	3.59 U	3.69 U	66.1	0.68 U	3.35 U	0.63 U
1,3-Dichloropropane	600	1.20	4.51	290 U	170 U	3.53 U	3.62 U	2.92 U	0.67 U	3.29 U	0.61 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	178 U	4.00 U	4.11 U	3.32 U	0.76 U	3.73 U	0.70 U
2-Butanone	400	93.60	19.30	266 U	156 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	3.48 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	238 U	17.6 U	113	605	57.5	16.5 U	3.07 U
Benzene	120	1.22	4.60	308 U	180 U	3.59 U	3.69 U	19.7	0.68 U	3.35 U	0.63 U
Bromobenzene	2,800	1.17	4.43	280 U	164 U	3.46 U	3.55 U	2.87 U	0.66 U	3.23 U	0.60 U
Bromochloromethane	400	1.33	5.03	318 U	187 U	3.93 U	4.04 U	3.26 U	0.75 U	3.67 U	0.68 U
Bromodichloromethane	4,600	1.08	4.08	312 U	182 U	3.19 U	3.28 U	2.64 U	0.61 U	2.98 U	0.55 U
Bromoform	13,000	1.10	4.17	284 U	166 U	3.25 U	3.35 U	2.70 U	0.62 U	3.04 U	0.57 U
Carbon tetrachloride	1,600	1.29	4.86	315 U	184 U	3.80 U	3.90 U	3.15 U	0.72 U	3.54 U	0.66 U
Chlorobenzene	2,200	1.40	5.29	434	176 U	4.14 U	4.25 U	1,690	0.79 U	3.86 U	0.72 U
Chloroethane	400	1.61	6.08	504 U	295 U	4.75 U	4.88 U	3.93 U	0.90 U	4.43 U	0.83 U
Chloroform	800	3.18	6.94	340 U	199 U	4.00 U	4.11 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	187 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	164 U	2.51 U	2.58 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	3.62 U	38.6	0.67 U	3.29 U	0.61 U
Hexachlorobutadiene	54,000	1.10	4.17	276 U	162 U	3.25 U	3.35 U	2.70 U	0.62 U	3.04 U	0.57 U
Isopropylbenzene	9,400	1.01	3.82	301 U	176 U	4.49	3.07 U	37.4	0.57 U	2.79 U	0.52 U
p/m-Xylene	3,200	2.07	136	609 U	357 U	13.4	6.27 U	147	1.16 U	5.70 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	221 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	3.35 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	554	3.12 U	3.21 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	3.00 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	3.69 U	2.98 U	0.68 U	3.35 U	0.63 U
Tetrachloroethene	2,600	1.03	10.30	294 U	172 U	3.05 U	3.14 U	2.53 U	0.58 U	2.85 U	0.53 U
Toluene	3,000	179	558	378 U	3,320	3.25 U	3.35 U	71	1.57	15.1	0.57 U
trans-1,2-Dichloroethene	400	1.06	10.30	332 U	195 U	3.12 U	3.21 U	2.59 U	0.59 U	2.91 U	0.54 U
trans-1,3-Dichloropropene	100	0.97	3.65	276 U	162 U	2.85 U	2.93 U	2.36 U	0.54 U	2.66 U	0.50 U
Trichloroethylene	1,000	1.13	4.25	329 U	193 U	3.32 U	3.42 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	3.90 U	3.15 U	0.72 U	3.54 U	0.66 U
Vinyl chloride	100	1.56	5.90	287 U	168 U	4.61 U	4.74 U	3.82 U	0.88 U	4.30 U	0.80 U

Notes:
All concentrations are ug/kg (ppb)
[1] 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

Table 1B
Characterization Sample Analytical Data - Semi-Volatile Organic Compounds
Gyrodyne Property - St. James, NY

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[1]	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:		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[1]	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)
[1] 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

Table1C
Characterization Sample Analytical Data - Metals
Gyrodyne Property - St. James, NY

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[1]	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 U
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 U
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 U
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 U
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 U
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[1]	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
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
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
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
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
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
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
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	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
All concentrations are mg/kg (ppm)
[1] 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

Table 2A
Endpoint Sample Analytical Data - Semi-Volatile Organic Compounds
Gyrodyne Property - St. James, NY

Client Sample ID: Laboratory Sample ID: Sampling Date:	SCDHS Cleanup Objective[1]	7 PLP 1106444-1 6/27/2011	9 PLP 1106444-2 6/27/2011	9 SLPB 1106444-3 6/27/2011	8 PLP 1106444-4 6/27/2011	SD10 1106444-5 6/27/2011	SD13 1106444-6 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)
[1] 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

Table 2B
Endpoint Sample Analytical Data - Metals
Gyrodyne Property - St. James, NY

Client Sample ID: Laboratory Sample ID: Sampling Date:	SCDHS Cleanup Objective[1]	7 PLP 1106444-1 6/27/2011	9 PLP 1106444-2 6/27/2011	9 SLPB 1106444-3 6/27/2011	8 PLP 1106444-4 6/27/2011	SD10 1106444-5 6/27/2011	SD13 1106444-6 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)
[1] 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

APPENDIX A
LABORATORY ANALYTICAL REPORTS

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

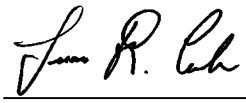
Laboratory Identifier: 1105204
Received: 5/13/2011 15:49
Sampled by: Derek Ersbak

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

Environmental Quality Services, Inc.
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
Client Sample ID: SD-7
Matrix: Soil
Type: Grab
Collected: 5/13/2011 14:10
% Solid: 78.5%
Remarks:
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

* 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)	

Environmental Quality Services, Inc.
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
Client Sample ID: SD-11
Matrix: Soil
Type: Grab
Collected: 5/13/2011 14:15
% Solid: 58.3%
Remarks:
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

* 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	C2651-1029	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)	

Environmental Quality Services, Inc.
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: 1105204-1
Client Sample ID: 9SLPA
Matrix: Soil
Remarks:
Analyzed Date: 5/17/2011
Preparation Date(s) : 5/13/2011

Type: Grab

Collected: 5/13/2011 14:29
% Solid: 79.2%

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.017	**0.11**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1105204-2
Client Sample ID: 9SLPB
Matrix: Soil
Remarks:
Analyzed Date: 5/17/2011
Preparation Date(s) : 5/13/2011

Type: Grab

Collected: 5/13/2011 14:20
% Solid: 31.1%

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.084	**4.17**	mg/Kg	

* Results are reported on a dry weight basis

Sample: 1105204-3
Client Sample ID: 10SLPA
Matrix: Soil
Remarks:
Analyzed Date: 5/17/2011
Preparation Date(s) : 5/13/2011

Type: Grab

Collected: 5/13/2011 14:30
% Solid: 82.7%

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.017	**0.022**	mg/Kg	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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: 1105204-4
Client Sample ID: SD-7
Matrix: Soil
Type: Grab
Collected: 5/13/2011 14:10
% 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	

* Results are reported on a dry weight basis

Sample: 1105204-5
Client Sample ID: SD-11
Matrix: Soil
Type: Grab
Collected: 5/13/2011 14:15
% Solid: 58.3%
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	0.023	**0.030**	mg/Kg	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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
Matrix: Soil
Type: Grab
Collected: 5/13/2011 14:29
% 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

* Results are reported on a dry weight basis

Sample: 1105204-2
Client Sample ID: 9SLPB
Matrix: Soil
Type: Grab
Collected: 5/13/2011 14:20
% Solid: 31.1%
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	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	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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
Matrix: Soil
Type: Grab
Collected: 5/13/2011 14:30
% 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

* Results are reported on a dry weight basis

Sample: 1105204-4
Client Sample ID: SD-7
Matrix: Soil
Type: Grab
Collected: 5/13/2011 14:10
% Solid: 78.5%
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	0.91	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

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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
Client Sample ID: SD-11
Matrix: Soil
Type: Grab
Collected: 5/13/2011 14:15
% Solid: 58.3%
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	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

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

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

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

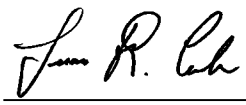
Laboratory Identifier: 1105181
Received: 5/12/2011 16:41
Sampled by: Derek Ersbak/Niccolas H

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

Environmental Quality Services, Inc.
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
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:31
% Solid: 71.2%
Remarks:
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

* 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	C2651-1037	.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)	

Environmental Quality Services, Inc.
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
Client Sample ID: CB-9
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:35
% Solid: 69.2%
Remarks:
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

* 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	C2651-1038	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)	

Environmental Quality Services, Inc.
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
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:28
% Solid: 68.2%
Remarks:
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

* 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	C2651-1039	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)	

Environmental Quality Services, Inc.
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
Client Sample ID: SD-1
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:48
% Solid: 70%
Remarks:
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

* 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	C2651-1040	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)	

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

SCDOH Semivolatile Compounds

Sample: 1105181-9
Client Sample ID: SD-8
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:57
% Solid: 72.2%
Remarks:
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

* 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	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)	

Environmental Quality Services, Inc.
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
Client Sample ID: SD-10
Matrix: Soil
Type: Grab
Collected: 5/12/2011 14:05
% Solid: 67.8%
Remarks:
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	

* 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	C2651-1042	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)	

Environmental Quality Services, Inc.
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
Client Sample ID: SD-13
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:40
% Solid: 61.5%
Remarks:
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	

* 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	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)	

Environmental Quality Services, Inc.
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
Client Sample ID: SD-14
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:51
% Solid: 76.5%
Remarks:
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	

* 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	C2651-1044	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)	

Environmental Quality Services, Inc.
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
Client Sample ID: SD-15
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:56
% Solid: 71.3%
Remarks:
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	

* 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	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)	

Environmental Quality Services, Inc.
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
Client Sample ID: SD-19
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:22
% Solid: 46.9%
Remarks:
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

* 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	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)	

Environmental Quality Services, Inc.
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: 1105181-1
Client Sample ID: 8SLPA
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:17
% 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	

* Results are reported on a dry weight basis

Sample: 1105181-2
Client Sample ID: 9SLPC
Matrix: Soil
Type: Grab
Collected: 5/12/2011 11:43
% 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	

* Results are reported on a dry weight basis

Sample: 1105181-3
Client Sample ID: 10SLPB
Matrix: Soil
Type: Grab
Collected: 5/12/2011 11:55
% Solid: 67%
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	**0.64**	mg/Kg	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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: 1105181-4
Client Sample ID: TD-1
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:02
% 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	

* Results are reported on a dry weight basis

Sample: 1105181-5
Client Sample ID: MH-2
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:31
% 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	

* Results are reported on a dry weight basis

Sample: 1105181-6
Client Sample ID: CB-9
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:35
% Solid: 69.2%
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	0.020	**0.092**	mg/Kg	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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: 1105181-7
Client Sample ID: CB-18
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:28
% 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	

* Results are reported on a dry weight basis

Sample: 1105181-8
Client Sample ID: SD-1
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:48
% 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	

* Results are reported on a dry weight basis

Sample: 1105181-9
Client Sample ID: SD-8
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:57
% Solid: 72.2%
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	**0.039**	mg/Kg	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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: 1105181-10
Client Sample ID: SD-10
Matrix: Soil
Type: Grab
Collected: 5/12/2011 14:05
% 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	

* Results are reported on a dry weight basis

Sample: 1105181-11
Client Sample ID: SD-13
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:40
% 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	

* Results are reported on a dry weight basis

Sample: 1105181-12
Client Sample ID: SD-14
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:51
% Solid: 76.5%
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	0.018	**0.031**	mg/Kg	

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:56
% 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	

* Results are reported on a dry weight basis

Sample: 1105181-14
Client Sample ID: SD-19
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:22
% Solid: 46.9%
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	0.029	ND	mg/Kg	U

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:17
% 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

* Results are reported on a dry weight basis

Sample: 1105181-2
Client Sample ID: 9SLPC
Matrix: Soil
Type: Grab
Collected: 5/12/2011 11:43
% Solid: 70.1%
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	**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

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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
Matrix: Soil
Type: Grab
Collected: 5/12/2011 11:55
% 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	U
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	

* Results are reported on a dry weight basis

Sample: 1105181-4
Client Sample ID: TD-1
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:02
% 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

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:31
% 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

* Results are reported on a dry weight basis

Sample: 1105181-6
Client Sample ID: CB-9
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:35
% Solid: 69.2%
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	1.08	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

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 5/16/2011
Preparation Date(s) : 5/13/2011
Collected: 5/12/2011 13:28
% Solid: 68.2%

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

* Results are reported on a dry weight basis

Sample: 1105181-8
Client Sample ID: SD-1
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 5/16/2011
Preparation Date(s) : 5/13/2011
Collected: 5/12/2011 12:48
% Solid: 70%

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	**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

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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
Matrix: Soil
Type: Grab
Collected: 5/12/2011 12:57
% 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	U
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

* Results are reported on a dry weight basis

Sample: 1105181-10
Client Sample ID: SD-10
Matrix: Soil
Type: Grab
Collected: 5/12/2011 14:05
% 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

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:40
% 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	U
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

* Results are reported on a dry weight basis

Sample: 1105181-12
Client Sample ID: SD-14
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:51
% 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

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
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: 1105181-13
Client Sample ID: SD-15
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:56
% 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

* Results are reported on a dry weight basis

Sample: 1105181-14
Client Sample ID: SD-19
Matrix: Soil
Type: Grab
Collected: 5/12/2011 13:22
% 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

* Results are reported on a dry weight basis

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

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

Environmental Quality Services, Inc.
208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

7/5/2011

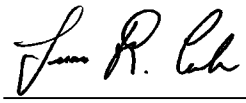
Laboratory Identifier: 1106444
Received: 6/28/2011 16:50
Sampled by: Nicc Thomas

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