Environmental Resources Management

105 Maxess Road
Suite 316
Melville, NY 11747
(631) 756-8900
(631) 756-8901 (fax)

La Central Manager LLC Residences – Site D
Brownfield Site Cleanup
Site Code C203086
Monthly Progress Report #2
Prepared By: Eugene Gabay/Brice Lynch

Period Covered: 7/5/2017 – 7/31/2017

This monthly progress report is being submitted pursuant to Section 4.4.2 of the March 2017 Remedial Investigation Report/Remedial Action Work Plan RIR/RAWP and includes the following elements:

- Activities relative to the Site during the previous reporting period and those anticipated for the next reporting period, including a quantitative presentation of work performed (i.e., tons of material exported and imported, etc.);
- Description of approved activity modifications, including changes of work scope and/or schedule;
- Sampling results received following internal data review and validation, as applicable; and,
- An update of the remedial schedule including the percentage of project completion, unresolved delays encountered or anticipated that may affect the future schedule, and efforts made to mitigate such delays.

Work Efforts Completed this Month

- July 5th Aquifer Drilling & Testing (ADT and ImpactEnvironmental (Impact) completed hand clearing the fifteen (15) injection point locations.
- July 6th ERM collected the final baseline groundwater sample at SB-5P.
- July 7th, July 10th through July 15th and July 17th through July 19th ADT and Impact conducted the ISCO injection with a potassium permanganate (RemOxS) solution in accordance with the Remedial Action Work Plan (RAWP).
- July 24th Urban Foundation/Engineering, LLC (Urban) began site grading at La Central Site D.
- July 25th Grid Logistics, Inc. (GLI) consultant, Tenen Environmental (Tenen) conducted additional waste characterization sampling to delineate the material around soil boring SB-24 in excavation area WC-3.
- July 26th and July 27th Urban continued to grade the site in areas WC-1 and WC-2.
- July 28th and July 29th Urban and Cuenca Coronel Trucking, Inc.(Cuenca) loaded sixteen (16) trucks off-site from areas WC-1 and WC-2. Excavated material from excavation area WC-3 was stockpiled on-site awaiting approval letter from the receiving facility.

- July 31st Urban and Cuenca loaded eight (8) trucks off-site from area WC-1 and WC-2. Urban continued to stockpile WC-3 soil on-site while awaiting approval.

Estimated quantities through June, 2017

Soil was excavated and sent off-site from areas WC-1 and WC-2. Sixteen (16) trucks went off-site. Each truck holds approximately sixteen (16) cubic yards for an estimated total of 256 cubic yards.

Sampling Results

- The baseline groundwater sampling event was performed in accordance with Section 7.2.3 of the RIR/RAWP. The results of the baseline groundwater sampling are attached.
- Area around soil boring SB-24 which is located in excavation area WC-4, had to be further delineated because benzo(a)pyrene concentrations exceeded the receiving facilities permit limits.

Changes in Work Scope

- There has been no change to the scope of work.

Schedule Update

- Urban will continue to conduct grading, excavation, loadout, and geotechnical activities within the Building D Site for the next two months.

Anticipated Work Efforts for August 2017

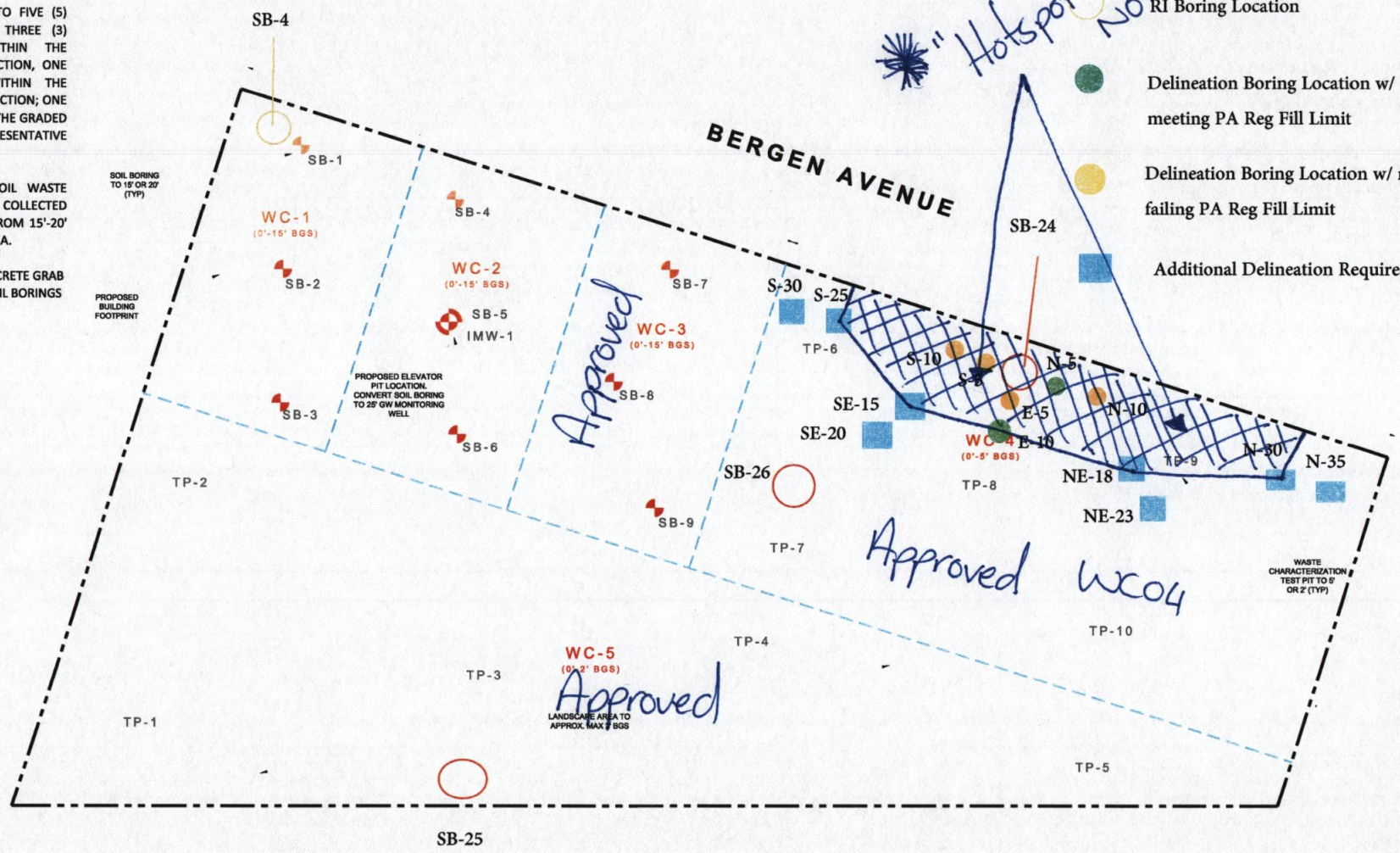
- Continue grading activities
- Begin excavation activities in Building D parcel.
- Complete installation of test piles and perform load test
- H-piles for SOE sheeting to begin

IN-SITU SOIL WASTE CHARACTERIZATION

SITE PROPOSED TO BE DIVIDED INTO FIVE (5) WASTE CHARACTERIZATION GRIDS; THREE (3) GRIDS REPRESENTING 0'-15' WITHIN THE PROPOSED CELLAR FOUNDATION SECTION, ONE (1) GRID REPRESENTING 0'-5' WITHIN THE PROPOSED SHALLOW FOUNDATION SECTION; ONE (1) GRID REPRESENTING 0'-2' WITHIN THE GRADED LANDSCAPED AREAS. EACH GRID REPRESENTATIVE OF 1000 BANK CY.

ADDITIONALLY, ONE (1) NATIVE SOIL WASTE CHARACTERIZATION SAMPLE WILL BE COLLECTED FROM ONE (1) DEEP SOIL BORING FROM 15'-20' WITHIN THE CELLAR FOUNDATION AREA.

A FIVE (5) POINT COMPOSITE AND DISCRETE GRAB SAMPLE WILL BE COLLECTED FROM SOIL BORINGS OR TEST PITS AT EACH GRID.



IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1000 PAGE AVENUE
LYNDHURST, NEW JERSEY 07071

TITLE: WASTE CHARACTERIZATION SAMPLE ACQUISITION PLAN

SITE: LA CENTRAL - BUILDING D
BRONX, NY

DRAWING NO: Figure 1
PROJECT NO.
DESIGNED BY:
DRAWN BY:
CHECKED BY:
DATE: 12/09/16
SCALE: NTS

REVISIONS
NO: DATE:

NOTES:
1. SITE BOUNDARY AND EXCAVATION EXTENTS BASED ON BUILDING D PROGRESS DRAWING SETS DATED 9/23/16.

LEGEND:

WASTE CHARACTERIZATION SOIL BORING - ADVANCED FROM GRADE TO APPROXIMATELY 15' AND 20' BELOW CURRENT GRADE (PROPOSED BOTTOM OF DEVELOPMENT EXCAVATION)

WASTE CHARACTERIZATION SOIL BORING CONVERTED TO 2" PERMANENT GROUNDWATER MONITORING WELL INSTALLED TO 25' BELOW CURRENT GRADE. FOR PERIODIC MONITORING & SAMPLE COLLECTION OF GROUNDWATER FOR DEWATERING DISCHARGE PERMIT AND DEWATERING DESIGN DATA.

WC — WASTE CHARACTERIZATION GRID EXTENT (APPROXIMATELY 1000 BANK CUBIC YARDS EACH)

TP — WASTE CHARACTERIZATION TEST PIT LOCATIONS FOR SHALLOW FOUNDATION AND GRADED LANDSCAPING AREAS

FSK - 002
Site utilization plan
La central building D

EXISTING BUILDING ON BERGEN AVE

PEDESTRIAN REDIRECTION

1 Hr Metered Parking 8:00 AM - 7:00 PM, Except Sunday

SIDEWALK & PARKING LANE CLOSED BY EXISTING CONSTRUCTION SITE

8'-0" H PLYWOOD CONSTRUCTION FENCE

BERGEN AVE. (ONE WAY TRAFFIC)

30'-0"

10'-0"

MATERIAL STORAGE

10' SWING GATE

4' PERSONNEL GATE

SHEETING

PILE DRIVING RIG

6" Thick Gravel & Morafi

BUILDING D
BLOCK 2361
TAX LOT 26
PROPOSED 9 STORY RESIDENTIAL BUILDING

GROUND FL. EL +18'-5 1/2"
ROOF EL. +107'- 5 1/2

Earthen ramp

EXCAVATOR

IP-1
IP-2
IP-3
IP-4
IP-5
IP-6
IP-7
IP-8
IP-9
IP-10
IP-11
IP-12
IP-13
IP-14
IP-15

12" deep crane pads

12" deep concrete hoist pad

GUARDRAIL

SLIDING GATE

IMW-2
IMW-3

well ALT Location

current MW-2

current MW-1

Trench for temp power

ALT well Location

TRUCK

Construction trailer

Gate

Temp electrical service

Temp Access road

TEMP. ACCESS ROAD

PROPOSED BUILDING C
BLOCK 2361
TAX LOT 26

PROPOSED BUILDING E
BLOCK 2294
TAX LOT 32

PROPOSED BUILDING B
BLOCK 2361
TAX LOT 1

FORMER (DEMAPPED) EAST 152ND STREET

(ONE WAY TRAFFIC)
BROOK AVE.

Groundwater flow

Injection well

Monitoring Well Location in RAWP

N

MONADNOCK CONSTRUCTION INC

OWNER

COMMON GROUND
COMMUNITY II HDFC
505 8th Avenue - 5th Floor
New York, N.Y. 10018

CONTRACTOR

MONADNOCK CONSTRUCTION, INC
155 3rd Street
Brooklyn, NY 11231
(718) 875-8160

REVISIONS

NO.	DATE	DESCRIPTION
1	03-21-2017	INITIAL DRAFT
2	04-10-2017	REVISION 1
3	04-26-2017	REVISION 2

KEY

- 8'H PLYWOOD CONSTRUCTION FENCE
- GUARDRAIL
- D.O.T APPROVED MOVABLE TIMBER BARRIERS
- PROPERTY LINE
- FLAGMAN AS NECESSARY
- PAY STATION
- FIRE HYDRANT
- STREET LIGHT
- (A) REQUIRED CONSTRUCTION SIGNAGE
- (B) SIDEWALK CLOSED PLEASE USE THE OTHER SIDE
- (C) LANE CLOSED PLEASE MERGE LEFT
- (D) NO PARKING ANYTIME TEMP. CONSTRUCTION ZONE
- (E) NO STANDING ANYTIME TEMP. CONSTRUCTION ZONE
- (F) SIDEWALK CLOSED PLEASE USE THE WALKWAY

PROJECT

La Central Building D
626 BERGEN AVE.
BRONX, NY 10451
BLOCK 22361, LOT 25

DRAWING:

OPTION D

EXCAVATION & FOUNDATION PLAN

DATE: 04/26/2017
SCALE: 1/32"=1'

DWG No:
DOT-002.00

e-Hardcopy 2.0
Automated Report

Technical Report for

ERM, Inc.

La Central, 430 Westchester Avenue, Bronx, NY

SGS Accutest Job Number: JC46274

Sampling Date: 06/30/17

Report to:

ERM, Inc.

brice.lynch@erm.com

ATTN: Brice Lynch

Total number of pages in report: **19**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

Sections: 1 2 3 4 5

Table of Contents

Sample Summary

ERM, Inc.

Job No: JC46274

La Central, 430 Westchester Avenue, Bronx, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC46274-1	06/30/17	12:40	BL	06/30/17	AQ	Ground Water	IMW-2
JC46274-2	06/30/17	11:00	BL	06/30/17	AQ	Ground Water	SR-SP/NR-154
JC46274-3	06/30/17	09:20	BL	06/30/17	AQ	Ground Water	IMW-3
JC46274-4	06/30/17	12:45	BL	06/30/17	AQ	Field Blank Water	FB063017
JC46274-5	06/30/17	12:50	BL	06/30/17	AQ	Trip Blank Water	TB063017

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	ERM, Inc.	**Job No**	JC46274
Site:	La Central, 430 Westchester Avenue, Bronx, NY	**Report Date**	7/13/2017 2:45:15 PM

On 06/30/2017, 3 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 5 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of JC46274 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** V3B6164

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC46296-1MS, JC46296-2DUP were used as the QC samples indicated.

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: JC46274
Account: ERM, Inc.
Project: La Central, 430 Westchester Avenue, Bronx, NY
Collected: 06/30/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC46274-1	**IMW-2**					
Chloroform		4.4	1.0	0.29	ug/l	SW846 8260C
cis-1,2-Dichloroethene		1.2	1.0	0.50	ug/l	SW846 8260C
Tetrachloroethene		94.6	1.0	0.50	ug/l	SW846 8260C
Trichloroethene		2.0	1.0	0.27	ug/l	SW846 8260C
JC46274-2	**SR-SP/NR-154**					
No hits reported in this sample.						
JC46274-3	**IMW-3**					
Chloroform		0.96 J	1.0	0.29	ug/l	SW846 8260C
Tetrachloroethene		1.1	1.0	0.50	ug/l	SW846 8260C
JC46274-4	**FB063017**					
No hits reported in this sample.						
JC46274-5	**TB063017**					
No hits reported in this sample.						

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: IMW-2
Lab Sample ID: JC46274-1
Matrix: AQ - Ground Water
Method: SW846 8260C
Project: La Central, 430 Westchester Avenue, Bronx, NY

Date Sampled: 06/30/17
Date Received: 06/30/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B139225.D	1	07/11/17 06:41	VC	n/a	n/a	V3B6164
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	4.4	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.2	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IMW-2		
Lab Sample ID:	JC46274-1	**Date Sampled:**	06/30/17
Matrix:	AQ - Ground Water	**Date Received:**	06/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	La Central, 430 Westchester Avenue, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	94.6	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	2.0	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	94%		84-119%
460-00-4	4-Bromofluorobenzene	94%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-SP/NR-154		
Lab Sample ID:	JC46274-2	**Date Sampled:**	06/30/17
Matrix:	AQ - Ground Water	**Date Received:**	06/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	La Central, 430 Westchester Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B139226.D	1	07/11/17 07:10	VC	n/a	n/a	V3B6164
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit
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Report of Analysis

Client Sample ID:	SR-SP/NR-154		
Lab Sample ID:	JC46274-2	**Date Sampled:**	06/30/17
Matrix:	AQ - Ground Water	**Date Received:**	06/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	La Central, 430 Westchester Avenue, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	98%		73-122%
2037-26-5	Toluene-D8	93%		84-119%
460-00-4	4-Bromofluorobenzene	94%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IMW-3		
Lab Sample ID:	JC46274-3	**Date Sampled:**	06/30/17
Matrix:	AQ - Ground Water	**Date Received:**	06/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	La Central, 430 Westchester Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B139227.D	1	07/11/17 07:38	VC	n/a	n/a	V3B6164
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	0.96	1.0	0.29	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IMW-3		
Lab Sample ID:	JC46274-3	**Date Sampled:**	06/30/17
Matrix:	AQ - Ground Water	**Date Received:**	06/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	La Central, 430 Westchester Avenue, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	1.1	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	95%		73-122%
2037-26-5	Toluene-D8	94%		84-119%
460-00-4	4-Bromofluorobenzene	93%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB063017		
Lab Sample ID:	JC46274-4	**Date Sampled:**	06/30/17
Matrix:	AQ - Field Blank Water	**Date Received:**	06/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	La Central, 430 Westchester Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B139223.D	1	07/11/17 05:45	VC	n/a	n/a	V3B6164
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB063017		
Lab Sample ID:	JC46274-4	**Date Sampled:**	06/30/17
Matrix:	AQ - Field Blank Water	**Date Received:**	06/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	La Central, 430 Westchester Avenue, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		76-120%
17060-07-0	1,2-Dichloroethane-D4	97%		73-122%
2037-26-5	Toluene-D8	93%		84-119%
460-00-4	4-Bromofluorobenzene	94%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB063017
Lab Sample ID: JC46274-5
Matrix: AQ - Trip Blank Water
Method: SW846 8260C
Project: La Central, 430 Westchester Avenue, Bronx, NY

Date Sampled: 06/30/17
Date Received: 06/30/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B139224.D	1	07/11/17 06:13	VC	n/a	n/a	V3B6164
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB063017		
Lab Sample ID:	JC46274-5	**Date Sampled:**	06/30/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	La Central, 430 Westchester Avenue, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	93%		84-119%
460-00-4	4-Bromofluorobenzene	93%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS ACCUTEST

GW FB WTB

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking # | Bottle Order Control #
SGS Accutest Quote # | SGS Accutest Job # JC46274

Client / Reporting Information

Company Name: ERM
Street Address: 105 Maxess Rd Ste 316
City: Melville State: NY Zip: 11747
Project Contact: Eugene Gabay E-mail: @erm.com
Phone #: 631-756-8900 Fax #: 8901
Sampler(s) Name(s): JS Lyreh Phone #: 516 967 2515

Project Information

Project Name: La Central
Street: 68430 Westchester Ave
City: Bronx State: NY
Project #:
Client Purchase Order #:
Project Manager: Gene Gabay

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet): VOCs 8260

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL - Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB-Field Blank, EB-Equipment Blank, RB- Rinse Blank, TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCs 8260	LAB USE ONLY
1	IRMW-2		6/30/17	12:40	BL	GW	3	3								✓	V226
2	SB-SP/MR-154		↓	11:00	↓	↓	↓	↓								↓	
3	IRMW-3		↓	9:20	↓	↓	↓	↓								↓	
4	FB063017		↓	12:45	↓	FB	2	2								↓	
5	TB063017		↓	12:50	↓	TB	2	↓								↓	

Turnaround Time (Business days)

- ☑ Std. 10 Business Days
- ☐ 5 Day RUSH
- ☐ 3 Day RUSH
- ☐ 2 Day RUSH
- ☐ 1 Day RUSH
- ☐ other

Emergency & Rush T/A data available VIA Lablink

Approved by (SGS Accutest PM): / Date:

Data Deliverable Information

- ☐ Commercial "a" (Level 1)
- ☐ Commercial "b" Level 2)
- ☐ FULLT1 (Level 3+4)
- ☐ NJ Reduced
- ☐ Commercial "C"
- ☐ NJ Data of Known Quality Protocol Reporting
- ☐ NYASP Category A
- ☑ NYASP Category B
- ☐ State Forms
- ☐ EDD Format
- ☐ Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

INITIAL ASESSMENT 2A/DS
LABEL VERIFICATION DS

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Steve Lyreh	6/30/17 13:05	1 [signature]	2 [signature]	6/30/17 [illegible]	2 [signature]
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not intact	Preserved where applicable ☐

On Ice ☐ Cooler Temp. 0.3 / 7.5

SM088-01C Rev. Date: 9/13/16

5.1 5

JC46274: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: JC46274 **Client:** _____ **Project:** _____

Date / Time Received: 6/30/2017 7:25:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (3.7);

Cooler Temps (Corrected) °C: Cooler 1: (5.0);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

SM089-02
Rev. Date 12/1/16

JC46274: Chain of Custody
Page 2 of 2

e-Hardcopy 2.0
Automated Report

Technical Report for

ERM, Inc.

La Central, 430 Westchester Avenue, Bronx, NY

SGS Accutest Job Number: JC46469

Sampling Date: 07/06/17

Report to:

ERM, Inc.

brice.lynch@erm.com

ATTN: Brice Lynch

Total number of pages in report: **13**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

Sections: 1 2 3 4 5

Table of Contents

Sample Summary

ERM, Inc.

Job No: JC46469

La Central, 430 Westchester Avenue, Bronx, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC46469-1	07/06/17	11:10	BL	07/06/17	AQ	Ground Water	SB-5P
JC46469-2	07/06/17	00:00	BL	07/06/17	AQ	Ground Water	DUP070617

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	ERM, Inc.	**Job No**	JC46469
Site:	La Central, 430 Westchester Avenue, Bronx, NY	**Report Date**	7/13/2017 11:29:27 A

On 07/06/2017, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 4.1 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of JC46469 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** V1A7339

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC46238-6MS, JC46238-6MSD were used as the QC samples indicated.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: JC46469
Account: ERM, Inc.
Project: La Central, 430 Westchester Avenue, Bronx, NY
Collected: 07/06/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC46469-1	**SB-5P**					
Chloroform		3.3	1.0	0.29	ug/l	SW846 8260C
cis-1,2-Dichloroethene		1.2	1.0	0.50	ug/l	SW846 8260C
Tetrachloroethene		112	1.0	0.50	ug/l	SW846 8260C
Trichloroethene		2.1	1.0	0.27	ug/l	SW846 8260C
JC46469-2	**DUP070617**					
Chloroform		3.4	1.0	0.29	ug/l	SW846 8260C
cis-1,2-Dichloroethene		1.2	1.0	0.50	ug/l	SW846 8260C
Tetrachloroethene		109	1.0	0.50	ug/l	SW846 8260C
Trichloroethene		2.0	1.0	0.27	ug/l	SW846 8260C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: SB-5P
Lab Sample ID: JC46469-1
Matrix: AQ - Ground Water
Method: SW846 8260C
Project: La Central, 430 Westchester Avenue, Bronx, NY

Date Sampled: 07/06/17
Date Received: 07/06/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A172702.D	1	07/10/17 17:28	VC	n/a	n/a	V1A7339
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	3.3	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.2	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5P		
Lab Sample ID:	JC46469-1	**Date Sampled:**	07/06/17
Matrix:	AQ - Ground Water	**Date Received:**	07/06/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	La Central, 430 Westchester Avenue, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	112	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	2.1	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		76-120%
17060-07-0	1,2-Dichloroethane-D4	115%		73-122%
2037-26-5	Toluene-D8	102%		84-119%
460-00-4	4-Bromofluorobenzene	107%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP070617		
Lab Sample ID:	JC46469-2	**Date Sampled:**	07/06/17
Matrix:	AQ - Ground Water	**Date Received:**	07/06/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	La Central, 430 Westchester Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A172703.D	1	07/10/17 17:58	VC	n/a	n/a	V1A7339
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	3.4	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.2	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP070617		
Lab Sample ID:	JC46469-2	**Date Sampled:**	07/06/17
Matrix:	AQ - Ground Water	**Date Received:**	07/06/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	La Central, 430 Westchester Avenue, Bronx, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	109	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	2.0	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		76-120%
17060-07-0	1,2-Dichloroethane-D4	115%		73-122%
2037-26-5	Toluene-D8	101%		84-119%
460-00-4	4-Bromofluorobenzene	107%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

GW

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 1 OF 1

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # JC46469

Client / Reporting Information	Project Information
Company Name: ERM	Project Name: La Central
Street Address: 105 Maxess Rd Ste 316	Street: 430 Westchester Ave
City: Melville State: NY Zip: 11747	City: Bronx State: NY
Project Contact / E-mail: Eugene.Gabay@erm.com	Project #
Phone #: 631-756-8900 Fax #: 8901	Client Purchase Order #
Sampler(s) Name(s): B Lynch Phone #: 516 967 2515	Project Manager: Gene Gabay

Billing Information (if different from Report to): Company Name / Street Address / City / State / Zip / Attention:

Requested Analysis (see TEST CODE sheet): VOCS 8260

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL- Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB-Field Blank, EB-Equipment Blank, RB- Rinse Blank, TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCS 8260	LAB USE ONLY
1	SB-SP		7/6/17	11:10	BWL	GW	3									✓	
2	DUP070617		7/6/17	00:00	BWL	GW	3									✓	V240

Turnaround Time (Business days)
- [x] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions: DER-10 Reporting list

INITIAL ASESSMENT 2AOK

LABEL VERIFICATION DG

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	7/6/17 11:45	1 [signature]	2 [signature]	7/6/17 1419	2 [signature]
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # 788	☐ Intact ☐ Not intact	Preserved where applicable ☐ On Ice ☑ Cooler Temp. 2.8°C IR

JC46469: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: JC46469 **Client:** _____ **Project:** _____

Date / Time Received: 7/6/2017 2:19:00 PM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (4.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

SM089-02
Rev. Date 12/1/16

JC46469: Chain of Custody
Page 2 of 2

Technical Report

prepared for:

Grid Logistics LLC
78 John Miller Way, Suite 312
Kearny NJ, 07032
Attention: Chris Zacharias

Report Date: 07/27/2017
Client Project ID: La Central
York Project (SDG) No.: 17G0826

Revision No. 1.0

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 07/27/2017
Client Project ID: La Central
York Project (SDG) No.: 17G0826

Grid Logistics LLC
78 John Miller Way, Suite 312
Kearny NJ, 07032
Attention: Chris Zacharias

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 25, 2017 and listed below. The project was identified as your project: **La Central**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17G0826-01	LC-SB24-S-10	Soil	07/25/2017	07/25/2017
17G0826-02	LC-SB24-E-5	Soil	07/25/2017	07/25/2017
17G0826-03	LC-SB24-S-5	Soil	07/25/2017	07/25/2017
17G0826-04	LC-SB24-E-10	Soil	07/25/2017	07/25/2017
17G0826-05	LC-SB24-N-5	Soil	07/25/2017	07/25/2017
17G0826-06	LC-SB24-N-10	Soil	07/25/2017	07/25/2017

General Notes for York Project (SDG) No.: 17G0826

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 07/27/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: LC-SB24-S-10 **York Sample ID:** 17G0826-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0826	La Central	Soil	July 25, 2017 9:00 am	07/25/2017

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**13600**		ug/kg dry	479	957	20	EPA 8270D	07/27/2017 05:26	07/27/2017 13:31	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*52.5 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*47.2 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*42.9 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.9**		%	0.100	1	SM 2540G	07/27/2017 10:12	07/27/2017 13:16	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: LC-SB24-E-5 **York Sample ID:** 17G0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0826	La Central	Soil	July 25, 2017 9:02 am	07/25/2017

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**11100**		ug/kg dry	496	991	20	EPA 8270D	07/26/2017 06:08	07/27/2017 10:57	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*57.9 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*46.8 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*49.0 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: LC-SB24-E-5 **York Sample ID:** 17G0826-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0826	La Central	Soil	July 25, 2017 9:02 am	07/25/2017

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.2**		%	0.100	1	SM 2540G Certifications: CTDOH	07/26/2017 10:46	07/26/2017 14:56	TAJ

Sample Information

Client Sample ID: LC-SB24-S-5 **York Sample ID:** 17G0826-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0826	La Central	Soil	July 25, 2017 9:03 am	07/25/2017

Semi-Volatiles, PAH Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**11600**		ug/kg dry	609	1220	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2017 06:08	07/27/2017 11:28	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*86.2 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*29.5 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*45.5 %*	*24-116*

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.8**		%	0.100	1	SM 2540G Certifications: CTDOH	07/26/2017 10:46	07/26/2017 14:56	TAJ

Sample Information

Client Sample ID: LC-SB24-E-10 **York Sample ID:** 17G0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0826	La Central	Soil	July 25, 2017 9:08 am	07/25/2017

Sample Information

Client Sample ID: LC-SB24-E-10 **York Sample ID:** 17G0826-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0826	La Central	Soil	July 25, 2017 9:08 am	07/25/2017

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**4510**		ug/kg dry	130	260	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2017 05:26	07/27/2017 14:02	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*60.3 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*59.4 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*48.9 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.0**		%	0.100	1	SM 2540G Certifications: CTDOH	07/27/2017 10:12	07/27/2017 13:16	TAJ

Sample Information

Client Sample ID: LC-SB24-N-5 **York Sample ID:** 17G0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0826	La Central	Soil	July 25, 2017 9:10 am	07/25/2017

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**10800**		ug/kg dry	479	956	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2017 06:08	07/27/2017 13:35	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*48.3 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*55.4 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*42.5 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.2**		%	0.100	1	SM 2540G Certifications: CTDOH	07/26/2017 10:46	07/26/2017 14:56	TAJ

Sample Information

Client Sample ID: LC-SB24-N-5 **York Sample ID:** 17G0826-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0826	La Central	Soil	July 25, 2017 9:10 am	07/25/2017

Sample Information

Client Sample ID: LC-SB24-N-10 **York Sample ID:** 17G0826-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17G0826	La Central	Soil	July 25, 2017 9:12 am	07/25/2017

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**20500**		ug/kg dry	489	976	20	EPA 8270D	07/27/2017 05:26	07/27/2017 14:32	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*67.4 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*47.9 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*45.2 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.4**		%	0.100	1	SM 2540G	07/27/2017 10:12	07/27/2017 13:16	TAJ
							Certifications: CTDOH			

Sample and Data Qualifiers Relating to This Work Order

CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to include additional compounds.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

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

York Project No. 17G0826

YOUR Information	Report To:	Invoice To:
Company: Grid Logistics	Company:	Company:
Address:	Address:	Address:
Phone No.	Phone No.	Phone No.
Contact Person: Chris Z.	Attention:	Attention:
E-Mail Address:	E-Mail Address:	E-Mail Address:

YOUR Project ID: La Central

Purchase Order No.

Samples from: CT ___ NY ___ NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☒ 2pm
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☐

Report Type

- Summary Report X
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel X
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other

York Regulatory Comparison Excel Spreadsheet

Compare to the following Regs. (please fill in): NY Part 375 SCOs, incl Prot of GW

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Name (printed)

Matrix Codes

S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
LC-SB24-S-10	7/25/17 0900	S	benzo(a)pyrene HOLD	1 jar
LC-SB24-E-5	0902			
LC-SB24-S-5	0903			
LE-SB24-E-10	0908		HOLD	
LC-SB24-N-5	0910			
LC-SB24-N-10	0912		HOLD	

Comments

Preservation Check those Applicable

4°C X Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions

Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
			7/25/17
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		TC Yahle	7/25/17 1917 10:56

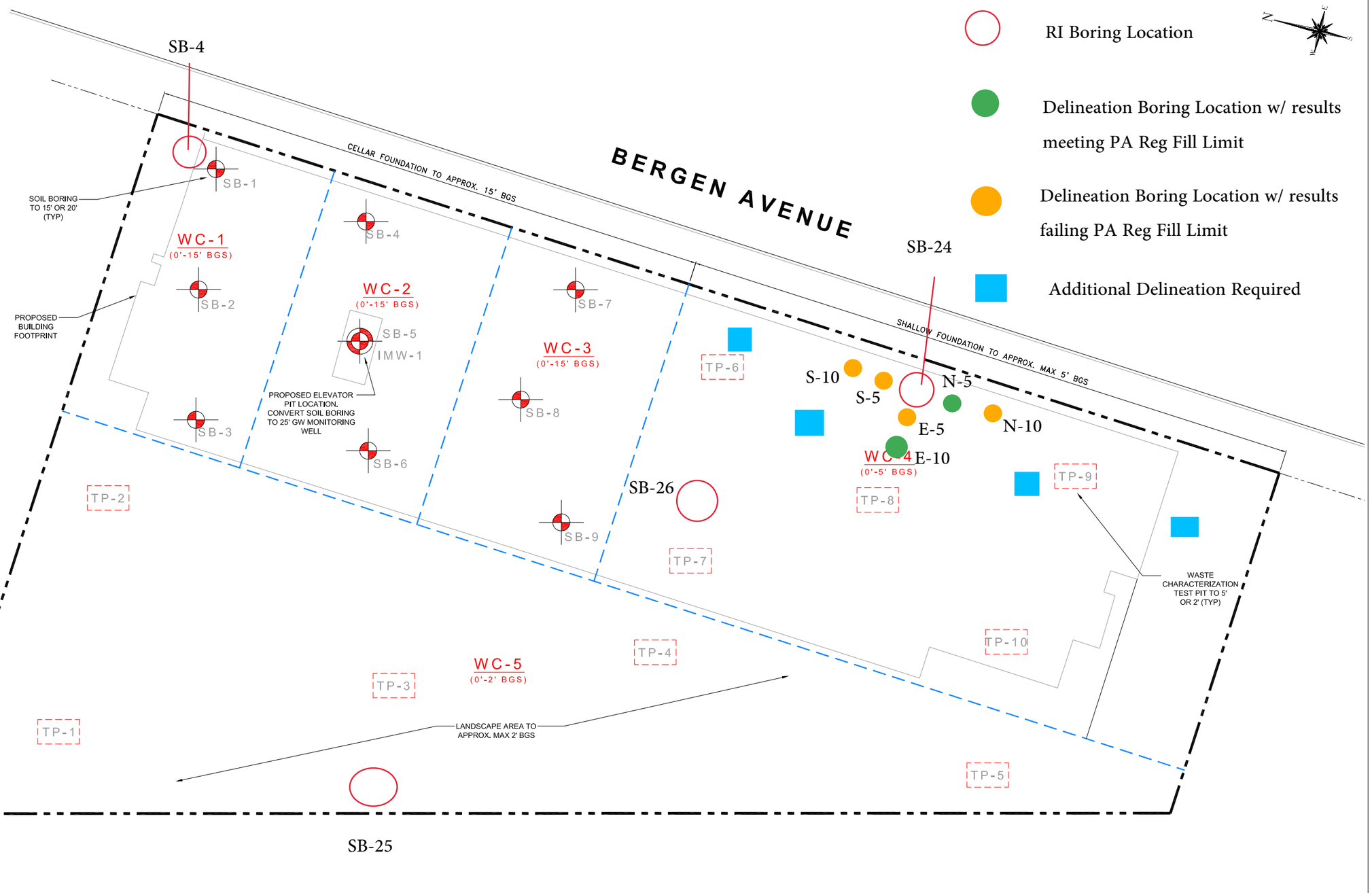
Temperature on Receipt 6.6 °C

IN-SITU SOIL WASTE CHARACTERIZATION

SITE PROPOSED TO BE DIVIDED INTO FIVE (5) WASTE CHARACTERIZATION GRIDS; THREE (3) GRIDS REPRESENTING 0'-15' WITHIN THE PROPOSED CELLAR FOUNDATION SECTION, ONE (1) GRID REPRESENTING 0'-5' WITHIN THE PROPOSED SHALLOW FOUNDATION SECTION; ONE (1) GRID REPRESENTING 0'-2' WITHIN THE GRADED LANDSCAPED AREAS. EACH GRID REPRESENTATIVE OF 1000 BANK CY.

ADDITIONALLY, ONE (1) NATIVE SOIL WASTE CHARACTERIZATION SAMPLE WILL BE COLLECTED FROM ONE (1) DEEP SOIL BORING FROM 15'-20' WITHIN THE CELLAR FOUNDATION AREA.

A FIVE (5) POINT COMPOSITE AND DISCRETE GRAB SAMPLE WILL BE COLLECTED FROM SOIL BORINGS OR TEST PITS AT EACH GRID.



IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1000 PAGE AVENUE
LYNDHURST, NEW JERSEY 07071

TITLE:
WASTE CHARACTERIZATION SAMPLE ACQUISITION PLAN

SITE:
LA CENTRAL - BUILDING D
BRONX, NY

DRAWING NO: Figure 1	
PROJECT NO.	
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
DATE:	12/08/16
SCALE:	NTS

REVISIONS NO:	DATE:

NOTES:
1. SITE BOUNDARY AND EXCAVATION EXTENTS BASED ON BUILDING D PROGRESS DRAWING SETS DATED 9/23/16.

LEGEND:
- WASTE CHARACTERIZATION SOIL BORING - ADVANCED FROM GRADE TO APPROXIMATELY 15' AND 20' BELOW CURRENT GRADE (PROPOSED BOTTOM OF DEVELOPMENT EXCAVATION)
- WASTE CHARACTERIZATION SOIL BORING CONVERTED TO 2" PERMANENT GROUNDWATER MONITORING WELL INSTALLED TO 25' BELOW CURRENT GRADE. FOR PERIODIC MONITORING & SAMPLE COLLECTION OF GROUNDWATER FOR DEWATERING DISCHARGE PERMIT AND DEWATERING DESIGN DATA.
- WC — WASTE CHARACTERIZATION GRID EXTENT (APPROXIMATELY 1000 BANK CUBIC YARDS EACH)
- TP — WASTE CHARACTERIZATION TEST PIT LOCATIONS FOR SHALLOW FOUNDATION AND GRADED LANDSCAPING AREAS