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www.chazencompanies.com

December 18, 2019

Mr. John Miller, P.E.
NYSDEC
Division of Environmental Remediation
625 Broadway, 11th floor
Albany, NY 12233-7014
sent via john.miller@dec.ny.gov

Re: Post Remedy Semi-annual Groundwater Sampling Report – Spring and Fall 2019
Love Road Development Site (BCP Site C314113)
Poughkeepsie, Dutchess County, New York
Chazen Job #81434.00

Dear Mr. Miller:

The Chazen Companies (Chazen) has completed the third and fourth post-remedy semi-annual groundwater sampling events at the above-referenced Site (**Figure 1**) consistent with the approved Site Management Plan (SMP). These semi-annual sampling events establish a two-year groundwater quality data record for the Site following completion of the Site remedy. Based on the improved Site groundwater conditions discussed below, a reduction in the frequency of groundwater monitoring at the Site appears warranted.

GROUNDWATER SAMPLING FIELD ACTIVITIES

The 2019 semi-annual groundwater sampling events occurred on June 6 and November 14, and included the following activities:

- Groundwater samples were collected from four monitoring wells locations: three overburden aquifer wells MW-5 (upgradient), MW-6, and MW-7, and one downgradient bedrock aquifer well 2009-MW-2. This network of wells is used to monitor upgradient and downgradient groundwater conditions relative to the area of a former 1,000-gallon underground storage tank (UST) and where source area soil was removed as part of the Site remedy. Monitoring well locations are shown on the attached **Figure 2**.
- Samples were collected using a peristaltic pump and low-flow purging and sampling techniques. Field sampling logs are attached for reference.
- Groundwater samples were submitted to York Analytical Laboratories of Stratford, CT under standard chain-of-custody for analysis of CP-51 list of volatile organic compounds (VOCs) via USEPA method 8260. A trip blank QA/QC sample was also submitted for analysis.

GROUNDWATER SAMPLING ANALYTICAL RESULTS

The analytical results are presented in **Table 1a** and the analytical laboratory report is attached for reference. In comparison to prior sampling events and NYSDEC Part 703.5 groundwater quality standards (GWQS), the VOC results indicate the following:

- A limited area of impacted groundwater remains at the Site within the overburden aquifer in the vicinity of upgradient well MW-5, with only two compounds slightly exceeding their respective standards. Overall, concentrations were similar to prior events.
- No detections have been reported in MW-6 for the last three consecutive events, and results have been less than GWQSs for the last four consecutive events.
- Results for MW-7 have been primarily non-detect or trace concentrations for the last four consecutive events.
- VOCs have remained non-detect in the downgradient bedrock monitoring well 2009-MW-2.
- The trip blank results (**Table 1b**) demonstrate satisfactory sample handling and transport practices.

CONCLUSIONS

Chazen has completed two years of post-remedy semi-annual groundwater sampling as required by the SMP. The sampling record demonstrates that overall groundwater conditions have improved since completion of the Site remedy in 2017, with only limited low level petroleum impacts remaining in the upgradient overburden well near the former 1,000-gallon UST.

Based on the two years of data, Chazen requests that the frequency of monitoring well sampling be reduced from semi-annually to once every two years (i.e., biennial or every other year), and the Periodic Review Report frequency be reduced from annually to every two years.

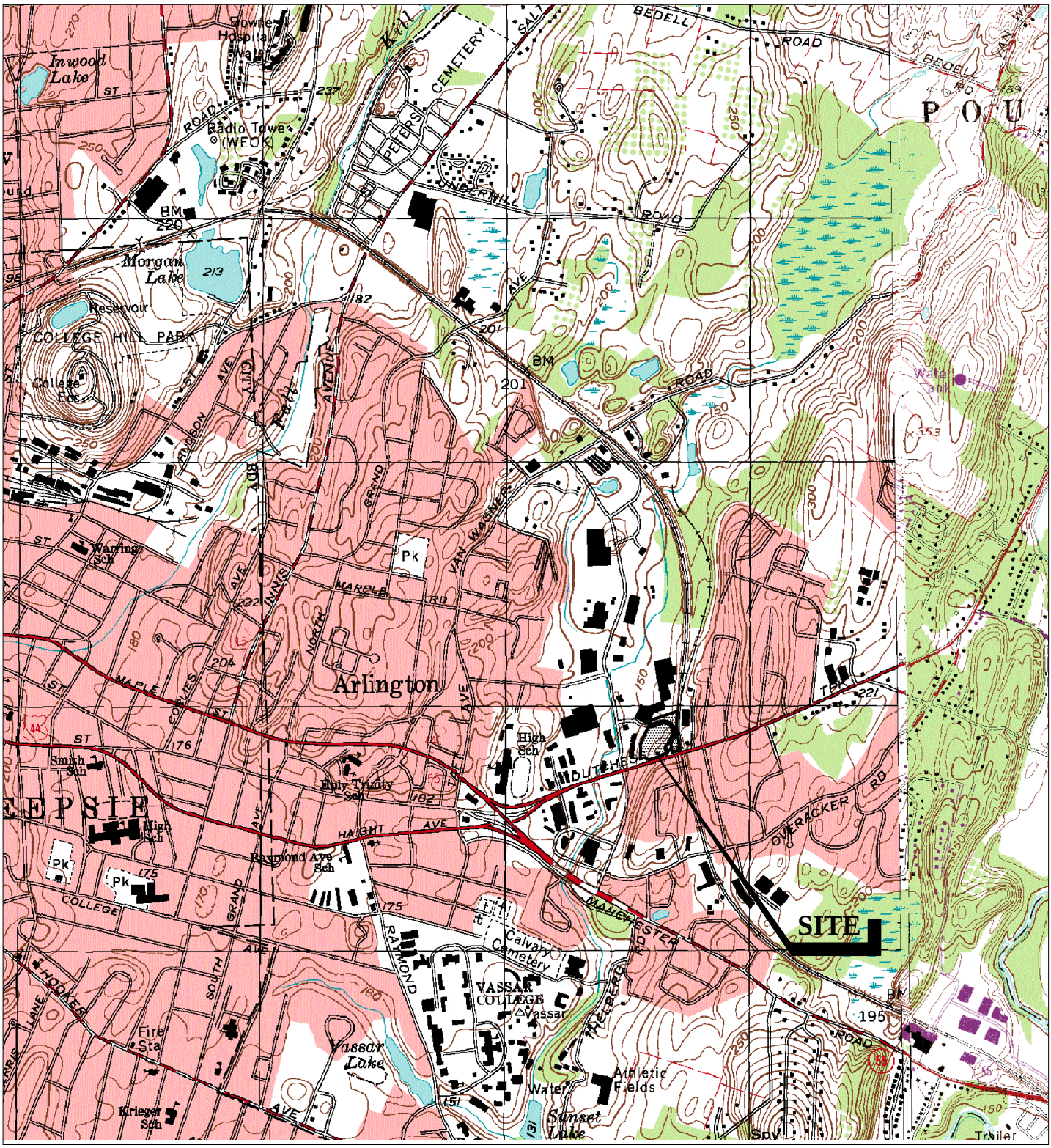
Please feel free to contact me at (518) 824-1928 if you have any questions.

Sincerely,

Arlette St. Romain
Director, Environmental Due Diligence and Brownfield Investigations

Attachments:
Figure 1 – Site Location Map
Figure 2 – Groundwater Monitoring Well Locations
Table 1a - Summary of Groundwater Sample Analytical Results
Table 1b – Summary of Groundwater QC/QC Sample Analytical Results
Laboratory Analytical Reports 19F0242 and 19K0602

cc: Frank Redl



MAP REFERENCE

THIS MAP WAS PREPARED FROM THE FOLLOWING 7.5 MINUTE USGS MAPS:
Poughkeepsie Quadrangle 1964, Photorevised 1980
Poughkeepsie Quadrangle 1963, Photorevised 1980

SCALE:	
HORZ.:1" = 2000'	
VERT.: N/A	
DATUM:	
HORZ.:N/A	
VERT.: N/A	
0 1000 2000	
GRAPHIC SCALE	

FUSS&O'NEILL
80 WASHINGTON STREET, SUITE 301
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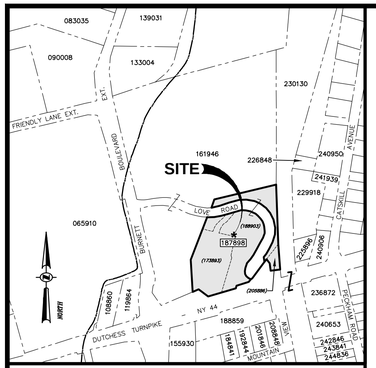
845.452.6801
www.fando.com

HERBERT REDL
AA/REMEDIAL WORK PLAN
USGS LOCATION MAP
2 LOVE ROAD
TOWN OF POUGHKEEPSIE NEW YORK

PROJ. No.: 20040761.A8N
DATE: JULY 2012

FIGURE 1

UCS: WRLD | MS VIEW: 2000 | LMAN: PLOT | CTB: F&O STANDARD



VICINITY / TAX MAP SCALE: 1"=400'±

LEGEND

- NO PHYSICAL BOUNDS
- ADJACENT PROPERTY LINE
- EXISTING EASEMENT AREA
- EXISTING EDGE OF POND OR CENTER OF STREAM
- 110 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- X 108.7 EXISTING SPOT GRADE
- X X EXISTING FENCE
- EXISTING RETAINING WALL
- OHW OHW OHW EXISTING OVERHEAD WIRES
- W EXISTING UNDERGROUND WATER LINE
- 8" SAN EXISTING UNDERGROUND SEWER LINE
- 15" RCP EXISTING UNDERGROUND STORM LINE
- DMH EXISTING DRAINAGE MANHOLE
- SP EXISTING TRAFFIC SIGNAL POLE
- TB EXISTING TRAFFIC SIGNAL BOX
- ELEC EXISTING ELECTRICAL STRUCTURE
- LP EXISTING LIGHT POLE
- GV EXISTING GAS VALVE
- GM EXISTING GAS METER
- GAS EXISTING GAS STRUCTURE
- HYD EXISTING HYDRANT
- WV EXISTING WATER VALVE
- EXISTING WATER SHUT OFF
- SIGN EXISTING SIGN

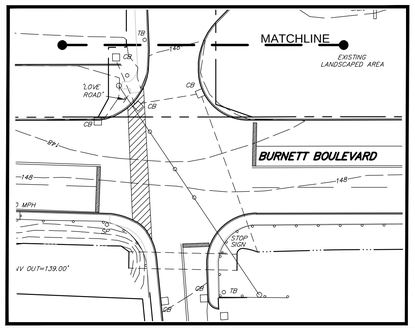
SEE MAP REF. 2&3 — APPROX. LOCATION OF MONITORING WELLS

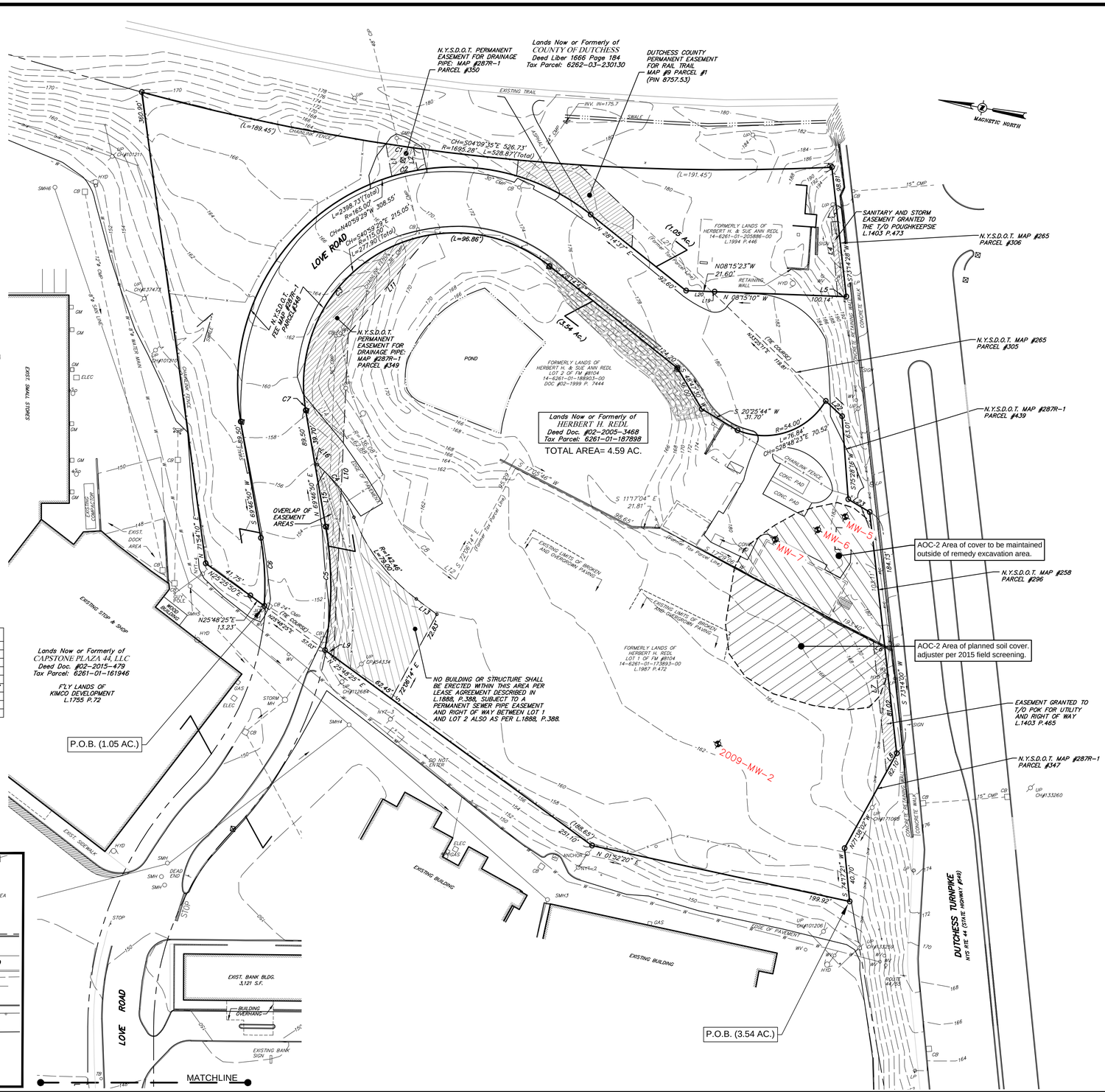
LINE TABLE

LINE	BEARING	LENGTH
L1	N 69°09'49" E	25.14'
L2	S 69°19'23" W	17.30'
L3	S 15°33'07" E	5.27'
L4	N 74°26'53" E	56.71'
L5	N 08°15'10" W	6.54'
L6	S 17°29'06" W	9.86'
L7	N 73°53'14" E	99.77'
L8	N 71°38'02" W	16.14'
L9	N 25°48'25" E	8.25'
L10	N 82°12'32" E	245.08'
L11	S 61°00'23" E	97.10'
L12	S 26°23'06" W	14.99'
L13	N 26°23'06" E	19.47'
L14	S 31°41'02" W	40.79'
L15	N 69°46'50" E	49.80'
L16	N 31°41'02" E	3.04'
L19	N 08°15'23" W	2.00'
L20	N 08°15'23" W	19.60'
L21	N 33°25'11" E	138.90'
L22	S 32°48'41" W	17.03'
L23	S 20°44'14" W	19.03'

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD
C1	1695.28'	21.12'	
C2	165.00'	19.97'	
C3	115.00'	172.51'	
C4	106.08'	49.02'	
C5	265.00'	94.34'	N79°58'43"E 93.84'
C6	215.00'	51.81'	S76°41'04"W 51.69'
C7	115.00'	8.53'	
C8	112.46'	62.37'	





RECORD DESCRIPTION TAX PARCEL 6261-01-187898:

(transposed from Deed Doc. #02-2005-3468)

(1) ALL that tract or parcel of land situate in the Town of Poughkeepsie, Dutchess County, New York, on the north side of the highway leading from Poughkeepsie to Pleasant Valley, formerly known as the Dutchess Turnpike:

BEGINNING at a point in the north line of said highway at or opposite an elm tree standing on or near the north line of said highway about two hundred twenty-two (222) feet westerly along said highway from the west line of the land and right of way of the Central New England Railway Company, and running thence easterly along the north line of said highway two hundred twenty-two (222) feet more or less to the west line of the lands and right of way of the Central New England Railway Company two hundred twelve feet (212) to a point in said line; thence southwesterly in a straight line to the place of beginning: together with all the right, title and interest of party of the first part in and to the highway in front of said premises to the center line thereof. Being a triangular parcel of land bounded on the east by lands of the Central New England Railway Company, on the south by the highway and northwesterly by other lands of the party of the first part.

BEING the same premises conveyed by Adirondack Bottled Gas Corporation of New York to National Propane, L.P. by deed dated June 25, 1996 and recorded in the Dutchess County Clerk's Office on July 2. 1996 in Liber 1981 of Deeds at page 401.

(2) ALL THAT TRACT OR PARCEL OF LAND situate in the Town of Poughkeepsie, County of Dutchess, State of New York, described as follows:

Grid No. 14-6261-01-173893-00

(3) ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Town of Poughkeepsie, Dutchess County, New York, known as Lot #2 on Map No. 8104 on file in the Dutchess County Clerk's Office Sept. 4, 1987.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

SURVEY DESCRIPTION TAX PARCEL 6261-01-187898:

ALL that certain plot, piece or parcel of land on the southerly and westerly side of Love Road, situate, lying and being in the Town of Poughkeepsie, Dutchess County, New York and being more particularly bounded and described as follows;

BEGINNING at a point on the northerly side of Dutchess Turnpike NYS Route 44 (State Highway #549) at the southwesterly corner of the herein described parcel and the southeasterly corner of lands now or formerly of Capstone Plaza 44, LLC as described in Deed Document #02-2015-479, said point also being the southwesterly corner of Lot 1 as shown on a certain map entitled 'Subdivision Map and Survey Map of the lands of Donald P. Love & H. Paul Richards' filed in the office of the Dutchess County Clerk September 4, 1987 as filed map #8104, and running;

Thence northerly along the division line between the herein described parcel on the east and said lands of Capstone Plaza 44, LLC on the west, N 01°52'20" E 199.92 feet, and N 25°48'25" E 251.10 feet to the southerly side of Love Road; thence along the southerly side of Love Road, along a non-tangent curve to the left having a radius of 265.00 feet, an arc length of 94.34 feet and a chord bearing N 79°58'43" E 93.84 feet, N 69°46'50" E 89.50 feet, along a tangent curve to the right having a radius of 115.00 feet, an arc length of 277.90 feet and a chord bearing S 40°59'29" E 215.05 feet, S 28°14'42" W 124.20 feet, S 20°25'44" W 31.70 feet, along a non-tangent curve to the left having a radius of 54.00 feet an arc length of 76.84 feet and a chord bearing S 28°48'23" E 70.52 feet to the northerly side of said Dutchess Turnpike NYS Route 44 (State Highway #549); thence westerly, along the northerly side of Dutchess Turnpike NYS Route 44 (State Highway #549), S 32°48'41" W 17.03 feet, S 75°28'16" W 63.01 feet, S 20°44'14" W 19.03 feet, S 73°14'00" W 184.13 feet, N 71°38'02" W 82.10 feet and S 74°17'21" W 40.70 feet to the point or place of BEGINNING.

CONTAINING 3.54 Acres of Land more or less

Also ALL that certain plot, piece or parcel of land on the northerly and easterly side of Love Road, situate, lying and being in the Town of Poughkeepsie, Dutchess County, New York and being more particularly bounded and described as follows;

BEGINNING at a point on the northerly side of Love Road, said point being distant 57.03 feet northerly as measured on a course of N 25°48'25" E from the northwesterly corner of the aforementioned parcel on the southerly and westerly side of Love Road, and running;
Thence northerly along the division line between the herein described parcel on the east and lands now or formerly of Capstone Plaza 44, LLC as described in Deed Document #02-2015-479 on the west, N 25°48'25" E 13.23 feet and N 17°25'50" E 41.75 feet to the northwesterly corner of the herein described parcel, said point also being the northwesterly corner of Lot 2 as shown on a certain map entitled 'Subdivision Map and Survey Map of the lands of Donald P. Love & H. Paul Richards' filed in the office of the Dutchess County Clerk September 4, 1987 as filed map #8104; thence easterly along the division lines between the herein described parcel on the south and lands now or formerly of Capstone Plaza 44, LLC as described in Deed Document #02-2015-479 on the north, N 71°54'10" E 360.90 feet to the westerly line of Lands now or formerly of County of Dutchess as described in Liber 1666 of deeds at page 184; thence along a non-tangent curve to the left having a radius of 1,695.28 feet, an arc length of 528.87 feet and a chord bearing S 04°09'35" E 526.73 feet to the northerly side of Dutchess Turnpike NYS Route 44 (State Highway #549) at the southeasterly corner of the herein described parcel; thence along the northerly side of said Turnpike in part, and along the northeasterly side of Love Road in part, S 73°14'28" W 98.81 feet, N 08°15'10" W 100.14 feet, N 08°15'23" W 21.60 feet; thence continuing along the northeasterly side of Love Road, N 28°14'37" E 92.60 feet, along a non-tangent curve to the left having a radius of 165.00 feet, an arc length of 398.73 feet and a chord bearing N 40°59'29" W 308.55 feet, S 69°46'50" W 89.50 feet and along a tangent curve to the right having a radius of 215.00 feet, an arc length of 51.81 feet and a chord bearing S 76°41'04" W 51.69 feet to the point or place of BEGINNING.

CONTAINING 1.05 Acres of Land more or less

The above described parcels having a combined, total area of 4.59 Acres more or less.

SURVEY NOTES:

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S INKED SEAL OR HIS EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

TOPOGRAPHY SHOWN HEREON WAS COMPILED FROM A FIELD SURVEY COMPLETED DECEMBER 11, 1999 AND APRIL 18, 2001. DATUM: USGS (1929 NGVD), 2 FOOT CONTOUR INTERVAL.

SURVEYED FROM RECORD DESCRIPTION AND AS IN POSSESSION.

SUB-SURFACE STRUCTURES NOT VISIBLE OR READILY APPARENT ARE NOT SHOWN AND THEIR LOCATIONS AND EXTENTS ARE NOT CERTIFIED.

SUBJECT TO COVENANTS, EASEMENTS, RESTRICTIONS, CONDITIONS AND AGREEMENTS OF RECORD.

SURVEY SUBJECT TO ANY RIGHT, TITLE OR INTEREST THE PUBLIC MAY HAVE FOR HIGHWAY USE.

MAP REFERENCE:

1. FILED MAP #8104 ENTITLED "SURVEY MAP OF THE LANDS OF DONALD LOVE AND H. PAUL RICHARDS", PREPARED BY RAYMOND J. KIHLMIRE, L.S., FILED IN THE DUTCHESS COUNTY CLERKS OFFICE ON SEPTEMBER 04, 1987.

2. MAP ENTITLED "REMAINING SOIL SAMPLES EXCEEDANCES AND HISTORIC SAMPLE LOCATIONS, 2 LOVE ROAD", PREPARED BY PREPARED BY FUSS & O'NEIL, DATED JULY 2012. (FOR 2009-MW-2)

3. MAP ENTITLED "AOC-2 REMEDIAL EXCAVATION MAP" PREPARED BY CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C., DATE OCTOBER 9, 2017. (FOR MW5,MW6,MW7)

TAX PARCEL NUMBER:

TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NY
134689-6261-01-187898

DEED REFERENCES:

HERBERT H. REDL – DOC.# 02-2005-3468

(Formerly: 134689-6261-01-173893-00 HERBERT H. REDL – DEED LIBER 1987 PAGE 472)
(Formerly: 134689-6261-01-188903-00 HERBERT H. AND SUE ANN REDL– DOC#02-1999 PAGE 7444)
(Formerly: 134689-6261-01-205886-00 HERBERT H. AND SUE ANN REDL – DEED LIBER 1994 PAGE 446)

ENVIRONMENTAL EASEMENT NOTE NYSDEC CONTRACT NO. C314113:

THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW.THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT "derweb@dec.ny.gov.".

40 0 40
SCALE IN FEET
1"=40'

10M 0 10M
SCALE IN METERS

0 1 2 3
ORIGINAL SCALE IN INCHES

I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED JULY 17, 2017 AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

STEVEN J ALEX, L.S. #50016

CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C.
THE Chazen COMPANIES
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☐ North Country Office: 375 Bay Road, Queensbury, New York 12804, Phone: (518) 812-0513
☐ Capital District Office: 547 River Street, Troy, New York 12180, Phone: (518) 273-0055
☐ Central NY Office: 721 East Genesee Street, Syracuse, New York 13210, Phone: (315) 251-1013
Tennessee Office: 1705 Division Street, Nashville, Tennessee 37203, Phone: (615) 953-4909

rev.	date	description
1	1/25/19	ADDED APPROXIMATE MW LOCATIONS

LOVE ROAD BCP

MONITORING WELLS ADDED TO MAP OF ENVIRONMENTAL EASEMENT SURVEY PREPARED FOR HERB REDL PROPERTIES

TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

designed	checked
CJS	
date	scale
07/26/17	1"=40'
project no.	
81434.00	
sheet no.	
SV1	

Drawing Name: Z:\projects\81400-81499\81434.00 Herb Redl_Love Rd BCP\DWG\05_SVY_81434-00_ENV-ESMT-WELLS.dwg
Xref's Attached: XTB_81434-00_H24x36; XBASE-SVY_81434-00; XBASE-ENG_81434-00
Date Printed: Jan 28, 2018, 9:09am

TABLE 1a
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS

Love Road Development Site (BCP Site C314113)
Poughkeepsie, Dutchess County, New York

Sample Location/ ID:		*MW-5*					*MW-6*					*MW-7*					*2009-MW-2*				
Lab Sample ID:	6 NYCRR Part 703.5	*17I1106-02*	*18E0898-02*	*19B0846-04*	*19F0242-02*	*19K0602-02*	*17I1106-04*	*18E0898-01*	*19B0846-03*	*19F0242-03*	*19K0602-03*	*17I1106-03*	*18E0898-03*	*19B0846-02*	*19F0242-04*	*19K0602-04*	*17I1106-01*	*18E0898-04*	*19B0846-01*	*19F0242-01*	*19K0602-01*
Sampling Date/ Time:		9/26/17	5/17/18	2/22/19	6/6/19	11/14/19	9/26/17	5/17/18	2/22/19	6/6/19	11/14/19	9/26/17	5/17/18	2/22/19	6/6/19	11/14/19	9/26/17	5/17/18	2/22/19	6/6/19	11/14/19
Matrix		Groundwater					Groundwater					Groundwater					Groundwater				
COMPOUND		Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q	Result Q
Volatile Organics, CP-51 List	ug/L	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*
1,2,4-Trimethylbenzene	5	ND	0.29 J	ND	ND	0.44 J	0.97	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	0.77	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	0.58	**11**	**6.8**	**6.8**	**5.5**	0.52	0.46 J	ND	ND	ND	ND	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	0.82	ND	0.33 J	0.87	0.72 J	**19**	0.47 J	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	**15**	1.8	2.4	**8.2**	**11**	**31**	0.83	ND	ND	ND	ND	0.85	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	0.65	0.25 J	ND	0.38 J	1.0	**39**	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	0.42 J	0.34 J	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	5	0.97 J	ND	0.62 J	0.68 J	1.3 J	1.4	ND	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	**6.4**	1.7	2.3	3.2	4.7	4.0	0.21 J	ND	ND	ND	ND	0.42 J	0.34 J	0.34 J	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	4.0	2.3	3.0	2.9	2.8	0.59	ND	ND	ND	ND	0.40 J	0.80	1.1	0.9	0.55	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	0.40 J	ND	0.27 J	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	5	0.97 J	ND	ND	0.680 J	1.7 J	1.7	ND	ND	ND	ND	**7.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

Results that exceed the groundwater quality standard are in highlighted yellow.

ug/L = Micrograms per liter

Q is the Qualifier Column with definitions as follows:

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

ND=analyte not detected at the limit of quantitation/RL or limit of detection/MDL

TABLE 1b
SUMMARY OF GROUNDWATER QA/QC SAMPLE ANALYTICAL RESULTS

Love Road Development Site (BCP Site C314113)
Poughkeepsie, Dutchess County, New York

Sample Location/ ID:	*TB-01*		*Trip Blank*		*Trip Blank*		*Trip Blank*		*Trip Blank*	
Lab Sample ID:	*17I1106-07*		*17I1106-07*		*19B0846-05*		*19F0242-05*		*19K0602-05*	
Sampling Date/ Time:	09/26/17		09/26/17		02/22/19		06/06/19		11/14/19	
Matrix	Deionized Water									
COMPOUND	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, CP-51 List	*ug/L*		*ug/L*		*ug/L*		*ug/L*		*ug/L*	
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND	
Benzene	ND		ND		ND		ND		ND	
Ethyl Benzene	ND		ND		ND		ND		ND	
Isopropylbenzene	ND		ND		ND		ND		ND	
Methyl tert-butyl ether (MTBE)	ND		ND		ND		ND		ND	
Naphthalene	ND		ND		ND		ND		ND	
n-Butylbenzene	ND		ND		ND		ND		ND	
n-Propylbenzene	ND		ND		ND		ND		ND	
o-Xylene	ND		ND		ND		ND		ND	
p- & m- Xylenes	ND		ND		ND		ND		ND	
p-Isopropyltoluene	ND		ND		ND		ND		ND	
sec-Butylbenzene	ND		ND		ND		ND		ND	
tert-Butylbenzene	ND		ND		ND		ND		ND	
Toluene	ND		ND		ND		ND		ND	
Xylenes, Total	ND		ND		ND		ND		ND	

NOTES:

ug/L = Micrograms per liter

D.I. = Deionized Water

ND=analyte not detected at the limit of quantitation/RL or limit of detection/MDL

Technical Report

prepared for:

Chazen Environmental Services (Poughkeepsie)
20 Elm St, Suite 110
Glens Falls NY, 12801
Attention: Arlette St. Romain

Report Date: 06/14/2019
Client Project ID: 81434.00
York Project (SDG) No.: 19F0242

Report Date: 06/14/2019
Client Project ID: 81434.00
York Project (SDG) No.: 19F0242

Chazen Environmental Services (Poughkeepsie)
20 Elm St, Suite 110
Glens Falls NY, 12801
Attention: Arlette St. Romain

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 June 07, 2019 and listed below. The project was identified as your project: **81434.00**.

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
19F0242-01	MW 2	Water	06/06/2019	06/07/2019
19F0242-02	MW 5	Water	06/06/2019	06/07/2019
19F0242-03	MW 6	Water	06/06/2019	06/07/2019
19F0242-04	MW 7	Water	06/06/2019	06/07/2019
19F0242-05	Trip Blank	Water	06/06/2019	06/07/2019

General Notes for York Project (SDG) No.: 19F0242

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: 06/14/2019

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW 2 **York Sample ID:** 19F0242-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19F0242	81434.00	Water	June 6, 2019 2:30 am	06/07/2019

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/13/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/13/2019 16:09	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/13/2019 16:09	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/13/2019 16:09	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/13/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/13/2019 16:09	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.0 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.3 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

Sample Information

Client Sample ID: **MW 5** **York Sample ID:** **19F0242-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19F0242	81434.00	Water	June 6, 2019 4:10 am	06/07/2019

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**6.8**		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	**Ethyl Benzene**	**0.87**		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**8.2**		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**0.38**	J	ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**0.68**	J	ug/L	0.50	1.0	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**3.2**		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	**tert-Butylbenzene**	**2.9**		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.40**	J	ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**0.68**	J	ug/L	0.60	1.5	1	EPA 8260C	06/13/2019 12:30	06/14/2019 09:31	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*93.2 %*		*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.3 %*		*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*187 %*	S-10	*79-122*

Sample Information

Client Sample ID: **MW 6** **York Sample ID:** **19F0242-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19F0242	81434.00	Water	June 6, 2019 5:00 am	06/07/2019

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 17:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.9 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*112 %*	*79-122*

Sample Information

Client Sample ID: **MW 7** **York Sample ID:** **19F0242-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19F0242	81434.00	Water	June 6, 2019 5:45 am	06/07/2019

Sample Information

Client Sample ID: MW 7 **York Sample ID:** 19F0242-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19F0242	81434.00	Water	June 6, 2019 5:45 am	06/07/2019

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	**tert-Butylbenzene**	**0.91**		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	06/13/2019 07:30	06/13/2019 17:35	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*117 %*	*79-122*

Sample Information

Client Sample ID: Trip Blank **York Sample ID:** 19F0242-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19F0242	81434.00	Water	June 6, 2019 12:00 am	06/07/2019

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **19F0242-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19F0242	81434.00	Water	June 6, 2019 12:00 am	06/07/2019

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/13/2019 07:30	06/13/2019 15:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*127 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.3 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*79-122*

Analytical Batch Summary

Batch ID: BF90671 **Preparation Method:** EPA 5030B **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19F0242-01	MW 2	06/13/19
19F0242-03	MW 6	06/13/19
19F0242-04	MW 7	06/13/19
19F0242-05	Trip Blank	06/13/19
BF90671-BLK1	Blank	06/13/19
BF90671-BS1	LCS	06/13/19
BF90671-BSD1	LCS Dup	06/13/19

Batch ID: BF90685 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
19F0242-02	MW 5	06/13/19
BF90685-BLK1	Blank	06/13/19
BF90685-BS1	LCS	06/13/19
BF90685-BSD1	LCS Dup	06/13/19

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF90671 - EPA 5030B											
Blank (BF90671-BLK1)									Prepared & Analyzed: 06/13/2019		
1,2,4-Trimethylbenzene	ND	0.50	ug/L								
1,3,5-Trimethylbenzene	ND	0.50	"								
Benzene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Toluene	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.83*		*"*	*10.0*		*98.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				
LCS (BF90671-BS1)									Prepared & Analyzed: 06/13/2019		
1,2,4-Trimethylbenzene	11		ug/L	10.0		114	82-132				
1,3,5-Trimethylbenzene	12		"	10.0		116	80-131				
Benzene	9.9		"	10.0		99.2	85-126				
Ethyl Benzene	10		"	10.0		105	80-131				
Isopropylbenzene	12		"	10.0		120	76-140				
Methyl tert-butyl ether (MTBE)	10		"	10.0		99.5	76-135				
Naphthalene	10		"	10.0		100	70-147				
n-Butylbenzene	10		"	10.0		104	79-132				
n-Propylbenzene	12		"	10.0		122	78-133				
o-Xylene	10		"	10.0		103	78-130				
p- & m- Xylenes	21		"	20.0		106	77-133				
p-Isopropyltoluene	11		"	10.0		114	81-136				
sec-Butylbenzene	12		"	10.0		121	79-137				
tert-Butylbenzene	11		"	10.0		115	77-138				
Toluene	10		"	10.0		103	80-127				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.42*		*"*	*10.0*		*94.2*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*12.3*		*"*	*10.0*		*123*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF90671 - EPA 5030B											
LCS Dup (BF90671-BSD1)								Prepared & Analyzed: 06/13/2019			
1,2,4-Trimethylbenzene	9.8		ug/L	10.0		98.1	82-132		14.7	30	
1,3,5-Trimethylbenzene	9.8		"	10.0		98.1	80-131		16.4	30	
Benzene	9.9		"	10.0		99.0	85-126		0.202	30	
Ethyl Benzene	9.9		"	10.0		99.0	80-131		5.69	30	
Isopropylbenzene	9.9		"	10.0		98.6	76-140		19.2	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		105	76-135		5.76	30	
Naphthalene	10		"	10.0		104	70-147		3.91	30	
n-Butylbenzene	9.7		"	10.0		97.4	79-132		6.07	30	
n-Propylbenzene	10		"	10.0		102	78-133		17.8	30	
o-Xylene	9.9		"	10.0		99.3	78-130		3.66	30	
p- & m- Xylenes	20		"	20.0		100	77-133		5.97	30	
p-Isopropyltoluene	9.8		"	10.0		97.8	81-136		15.5	30	
sec-Butylbenzene	10		"	10.0		103	79-137		15.7	30	
tert-Butylbenzene	9.7		"	10.0		97.2	77-138		16.4	30	
Toluene	9.7		"	10.0		96.9	80-127		6.30	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.84*		*"*	*10.0*		*98.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.74*		*"*	*10.0*		*97.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
Batch BF90685 - EPA 5030B											
Blank (BF90685-BLK1)								Prepared: 06/13/2019 Analyzed: 06/14/2019			
1,2,4-Trimethylbenzene	ND	0.50	ug/L								
1,3,5-Trimethylbenzene	ND	0.50	"								
Benzene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Toluene	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.51*		*"*	*10.0*		*95.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF90685 - EPA 5030B											
LCS (BF90685-BS1)							Prepared & Analyzed: 06/13/2019				
1,2,4-Trimethylbenzene	10		ug/L	10.0		100	82-132				
1,3,5-Trimethylbenzene	10		"	10.0		100	80-131				
Benzene	10		"	10.0		102	85-126				
Ethyl Benzene	10		"	10.0		103	80-131				
Isopropylbenzene	10		"	10.0		102	76-140				
Methyl tert-butyl ether (MTBE)	11		"	10.0		107	76-135				
Naphthalene	10		"	10.0		104	70-147				
n-Butylbenzene	9.6		"	10.0		96.5	79-132				
n-Propylbenzene	10		"	10.0		104	78-133				
o-Xylene	10		"	10.0		102	78-130				
p- & m- Xylenes	21		"	20.0		103	77-133				
p-Isopropyltoluene	9.9		"	10.0		99.0	81-136				
sec-Butylbenzene	11		"	10.0		106	79-137				
tert-Butylbenzene	10		"	10.0		100	77-138				
Toluene	10		"	10.0		101	80-127				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.69*		*"*	*10.0*		*96.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.86*		*"*	*10.0*		*98.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				
LCS Dup (BF90685-BSD1)							Prepared & Analyzed: 06/13/2019				
1,2,4-Trimethylbenzene	9.9		ug/L	10.0		99.4	82-132		0.602	30	
1,3,5-Trimethylbenzene	10		"	10.0		99.7	80-131		0.700	30	
Benzene	10		"	10.0		99.8	85-126		1.69	30	
Ethyl Benzene	10		"	10.0		100	80-131		2.56	30	
Isopropylbenzene	10		"	10.0		101	76-140		1.48	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		105	76-135		2.17	30	
Naphthalene	10		"	10.0		105	70-147		0.574	30	
n-Butylbenzene	9.5		"	10.0		94.8	79-132		1.78	30	
n-Propylbenzene	10		"	10.0		103	78-133		0.871	30	
o-Xylene	10		"	10.0		101	78-130		1.38	30	
p- & m- Xylenes	20		"	20.0		101	77-133		1.86	30	
p-Isopropyltoluene	9.8		"	10.0		98.1	81-136		0.913	30	
sec-Butylbenzene	11		"	10.0		106	79-137		0.472	30	
tert-Butylbenzene	9.9		"	10.0		98.9	77-138		1.60	30	
Toluene	9.9		"	10.0		98.7	80-127		2.70	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.54*		*"*	*10.0*		*95.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19F0242-01	MW 2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19F0242-02	MW 5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19F0242-03	MW 6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19F0242-04	MW 7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19F0242-05	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-10	Surrogates recoveries were below laboratory control limits. Insufficient sample was available for re-extraction/reanalysis.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

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.

York Analytical Laboratories, Inc.
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clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 19F0242

YOUR Information	Report To:	Invoice To:
Company: Chazen	Company: Chazen	Company: Chazen
Address: 21 Fox St Poughkeepsie NY 12601	Address:	Address:
Phone.: 845 ~~914~~ 486 1576	Phone.:	Phone.:
Contact: Michael ONeill	Contact: Arlette St Romain	Contact: Linda Fitzpatrick
E-mail: moneill@chazencompanies.com	E-mail: arlette@chazencompanies.com	E-mail: accountspayable@chazencompanies.com

YOUR Project Number: 81434.00

YOUR Project Name: Love Road BCP

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please 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 by: (print your name above and sign below)

Michael ONeill

Michael O'Neill

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report | QA Report | NY ASP A Package | NY ASP B Package | CT RCP | CT RCP DQA/DUE | NJDEP Reduced Deliverables | NJDKQP | Standard Excel EDD | EQuIS (Standard) | NYSDEC EQuIS | NJDEP SRP HazSite | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)
NYS DEC Part 703.5 Groundwater Standards

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW2	GW	6/6/19 2:30	CP-51 VOCs by 8260	3x 40mL VOA
MW 5	GW	6/6/19 4:10	↓	↓
MW 6	GW	6/6/19 5:00		
MW 7	GW	6/6/19 5:45		
Trip Blank	DI			2x 40mL VOA

Comments: Samples placed in Secure Chazen Fridge 6/6/19 7PM

Preservation: (check all that apply)
HCl X MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
MO	6/6/19 7PM		6-7-19 8:10		6-7-19
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
					6-7-19 1500 @ 3.4

Temp. Received at Lab ___ Degrees C

Technical Report

prepared for:

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Will Olsen

Report Date: 11/22/2019
Client Project ID: 81434.00 Task 16B0
York Project (SDG) No.: 19K0602

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: 11/22/2019
Client Project ID: 81434.00 Task 16B0
York Project (SDG) No.: 19K0602

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Will Olsen

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 November 15, 2019 and listed below. The project was identified as your project: **81434.00 Task 16B0**.

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.

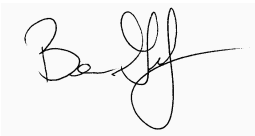
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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
19K0602-01	2009-MW-2	Water	11/14/2019	11/15/2019
19K0602-02	MW-5	Water	11/14/2019	11/15/2019
19K0602-03	MW-6	Water	11/14/2019	11/15/2019
19K0602-04	MW-7	Water	11/14/2019	11/15/2019
19K0602-05	Trip Blank	Water	11/14/2019	11/15/2019

General Notes for York Project (SDG) No.: 19K0602

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: 11/22/2019

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: 2009-MW-2 **York Sample ID:** 19K0602-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19K0602	81434.00 Task 16B0	Water	November 14, 2019 10:14 am	11/15/2019

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/19/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/19/2019 18:34	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/19/2019 18:34	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 18:34	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/19/2019 18:34	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*91.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Sample Information

Client Sample ID: **MW-5** **York Sample ID:** **19K0602-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19K0602	81434.00 Task 16B0	Water	November 14, 2019 11:23 am	11/15/2019

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**0.44**	J	ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**5.5**		ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	**Ethyl Benzene**	**0.72**	J	ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**11**		ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	2.0	4.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**1.0**		ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.42**	J	ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**1.3**	J	ug/L	1.0	2.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**4.7**		ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	**tert-Butylbenzene**	**2.8**		ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**1.7**	J	ug/L	1.2	3.0	2	EPA 8260C	11/19/2019 07:30	11/19/2019 19:03	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*84.4 %*		*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.6 %*		*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*124 %*	S-08	*79-122*

Sample Information

Client Sample ID: MW-6 **York Sample ID:** 19K0602-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19K0602	81434.00 Task 16B0	Water	November 14, 2019 12:04 pm	11/15/2019

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/19/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/19/2019 20:01	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/19/2019 20:01	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/19/2019 20:01	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/19/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/19/2019 20:01	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*93.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*79-122*

Sample Information

Client Sample ID: MW-7 **York Sample ID:** 19K0602-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19K0602	81434.00 Task 16B0	Water	November 14, 2019 12:40 pm	11/15/2019

Sample Information

Client Sample ID: **MW-7** **York Sample ID:** **19K0602-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19K0602	81434.00 Task 16B0	Water	November 14, 2019 12:40 pm	11/15/2019

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	**tert-Butylbenzene**	**0.55**		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/21/2019 07:30	11/21/2019 17:01	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*91.1 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*79-122*

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **19K0602-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19K0602	81434.00 Task 16B0	Water	November 14, 2019 12:00 am	11/15/2019

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19K0602-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19K0602	81434.00 Task 16B0	Water	November 14, 2019 12:00 am	11/15/2019

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	11/21/2019 07:30	11/21/2019 17:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*94.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Analytical Batch Summary

Batch ID: BK90921 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
19K0602-01	2009-MW-2	11/19/19
19K0602-02	MW-5	11/19/19
19K0602-02RE1	MW-5	11/19/19
19K0602-03	MW-6	11/19/19
BK90921-BLK1	Blank	11/19/19
BK90921-BS1	LCS	11/19/19
BK90921-BS2	LCS	11/19/19
BK90921-BSD1	LCS Dup	11/19/19
BK90921-BSD2	LCS Dup	11/19/19

Batch ID: BK91105 **Preparation Method:** EPA 5030B **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19K0602-04	MW-7	11/21/19
19K0602-05	Trip Blank	11/21/19
BK91105-BLK1	Blank	11/21/19
BK91105-BS1	LCS	11/21/19
BK91105-BS2	LCS	11/21/19
BK91105-BSD1	LCS Dup	11/21/19
BK91105-BSD2	LCS Dup	11/21/19

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK90921 - EPA 5030B											
Blank (BK90921-BLK1)											Prepared & Analyzed: 11/19/2019
1,2,4-Trimethylbenzene	ND	0.50	ug/L								
1,3,5-Trimethylbenzene	ND	0.50	"								
Benzene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Toluene	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.21*		*"*	*10.0*		*92.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.49*		*"*	*10.0*		*94.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				
LCS (BK90921-BS1)											Prepared & Analyzed: 11/19/2019
1,2,4-Trimethylbenzene	11		ug/L	10.0		108	82-132				
1,3,5-Trimethylbenzene	11		"	10.0		109	80-131				
Benzene	12		"	10.0		121	85-126				
Ethyl Benzene	11		"	10.0		113	80-131				
Isopropylbenzene	11		"	10.0		108	76-140				
Methyl tert-butyl ether (MTBE)	12		"	10.0		115	76-135				
Naphthalene	10		"	10.0		99.7	70-147				
n-Butylbenzene	9.2		"	10.0		92.3	79-132				
n-Propylbenzene	11		"	10.0		110	78-133				
o-Xylene	11		"	10.0		109	78-130				
p- & m- Xylenes	23		"	20.0		113	77-133				
p-Isopropyltoluene	11		"	10.0		107	81-136				
sec-Butylbenzene	11		"	10.0		113	79-137				
tert-Butylbenzene	11		"	10.0		107	77-138				
Toluene	11		"	10.0		111	80-127				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.31*		*"*	*10.0*		*93.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.52*		*"*	*10.0*		*95.2*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK90921 - EPA 5030B											
LCS (BK90921-BS2)							Prepared & Analyzed: 11/19/2019				
1,2,4-Trimethylbenzene	11		ug/L	10.0		108	82-132				
1,3,5-Trimethylbenzene	11		"	10.0		109	80-131				
Benzene	12		"	10.0		117	85-126				
Ethyl Benzene	11		"	10.0		112	80-131				
Isopropylbenzene	11		"	10.0		108	76-140				
Methyl tert-butyl ether (MTBE)	11		"	10.0		110	76-135				
Naphthalene	9.7		"	10.0		97.1	70-147				
n-Butylbenzene	9.5		"	10.0		94.7	79-132				
n-Propylbenzene	11		"	10.0		109	78-133				
o-Xylene	11		"	10.0		108	78-130				
p- & m- Xylenes	22		"	20.0		111	77-133				
p-Isopropyltoluene	11		"	10.0		110	81-136				
sec-Butylbenzene	11		"	10.0		115	79-137				
tert-Butylbenzene	11		"	10.0		108	77-138				
Toluene	11		"	10.0		109	80-127				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.16*		*"*	*10.0*		*91.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.55*		*"*	*10.0*		*95.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				
LCS Dup (BK90921-BSD1)							Prepared & Analyzed: 11/19/2019				
1,2,4-Trimethylbenzene	11		ug/L	10.0		105	82-132		3.18	30	
1,3,5-Trimethylbenzene	10		"	10.0		105	80-131		3.65	30	
Benzene	11		"	10.0		114	85-126		6.14	30	
Ethyl Benzene	11		"	10.0		107	80-131		6.09	30	
Isopropylbenzene	10		"	10.0		103	76-140		4.82	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		115	76-135		0.348	30	
Naphthalene	10		"	10.0		101	70-147		1.30	30	
n-Butylbenzene	9.0		"	10.0		90.4	79-132		2.08	30	
n-Propylbenzene	10		"	10.0		104	78-133		4.67	30	
o-Xylene	10		"	10.0		104	78-130		4.59	30	
p- & m- Xylenes	21		"	20.0		107	77-133		5.38	30	
p-Isopropyltoluene	11		"	10.0		106	81-136		1.60	30	
sec-Butylbenzene	11		"	10.0		109	79-137		3.15	30	
tert-Butylbenzene	10		"	10.0		104	77-138		2.94	30	
Toluene	10		"	10.0		104	80-127		6.04	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.38*		*"*	*10.0*		*93.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.45*		*"*	*10.0*		*94.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK90921 - EPA 5030B											
LCS Dup (BK90921-BSD2)								Prepared & Analyzed: 11/19/2019			
1,2,4-Trimethylbenzene	11		ug/L	10.0		106	82-132		1.40	30	
1,3,5-Trimethylbenzene	11		"	10.0		107	80-131		1.67	30	
Benzene	12		"	10.0		115	85-126		1.98	30	
Ethyl Benzene	11		"	10.0		108	80-131		4.18	30	
Isopropylbenzene	11		"	10.0		106	76-140		1.77	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		110	76-135		0.635	30	
Naphthalene	9.8		"	10.0		97.8	70-147		0.718	30	
n-Butylbenzene	9.3		"	10.0		92.9	79-132		1.92	30	
n-Propylbenzene	11		"	10.0		108	78-133		1.38	30	
o-Xylene	11		"	10.0		105	78-130		2.81	30	
p- & m- Xylenes	21		"	20.0		107	77-133		3.75	30	
p-Isopropyltoluene	11		"	10.0		107	81-136		2.39	30	
sec-Butylbenzene	11		"	10.0		112	79-137		2.47	30	
tert-Butylbenzene	11		"	10.0		106	77-138		1.49	30	
Toluene	11		"	10.0		106	80-127		3.53	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.19*		*"*	*10.0*		*91.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.59*		*"*	*10.0*		*95.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*79-122*				
Batch BK91105 - EPA 5030B											
Blank (BK91105-BLK1)								Prepared & Analyzed: 11/21/2019			
1,2,4-Trimethylbenzene	ND	0.50	ug/L								
1,3,5-Trimethylbenzene	ND	0.50	"								
Benzene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Toluene	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.30*		*"*	*10.0*		*93.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.11*		*"*	*10.0*		*91.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK91105 - EPA 5030B											
LCS (BK91105-BS1)								Prepared & Analyzed: 11/21/2019			
1,2,4-Trimethylbenzene	10		ug/L	10.0		99.7	82-132				
1,3,5-Trimethylbenzene	9.9		"	10.0		98.9	80-131				
Benzene	12		"	10.0		116	85-126				
Ethyl Benzene	10		"	10.0		105	80-131				
Isopropylbenzene	9.7		"	10.0		97.4	76-140				
Methyl tert-butyl ether (MTBE)	11		"	10.0		109	76-135				
Naphthalene	9.2		"	10.0		92.1	70-147				
n-Butylbenzene	9.0		"	10.0		89.9	79-132				
n-Propylbenzene	9.9		"	10.0		98.6	78-133				
o-Xylene	10		"	10.0		102	78-130				
p- & m- Xylenes	21		"	20.0		104	77-133				
p-Isopropyltoluene	10		"	10.0		102	81-136				
sec-Butylbenzene	11		"	10.0		106	79-137				
tert-Butylbenzene	9.7		"	10.0		97.1	77-138				
Toluene	10		"	10.0		104	80-127				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.90*		*"*	*10.0*		*89.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.26*		*"*	*10.0*		*92.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
LCS (BK91105-BS2)								Prepared & Analyzed: 11/21/2019			
1,2,4-Trimethylbenzene	10		ug/L	10.0		101	82-132				
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131				
Benzene	12		"	10.0		122	85-126				
Ethyl Benzene	11		"	10.0		107	80-131				
Isopropylbenzene	9.9		"	10.0		99.2	76-140				
Methyl tert-butyl ether (MTBE)	12		"	10.0		120	76-135				
Naphthalene	9.7		"	10.0		97.1	70-147				
n-Butylbenzene	9.2		"	10.0		91.9	79-132				
n-Propylbenzene	10		"	10.0		100	78-133				
o-Xylene	10		"	10.0		105	78-130				
p- & m- Xylenes	21		"	20.0		107	77-133				
p-Isopropyltoluene	10		"	10.0		105	81-136				
sec-Butylbenzene	11		"	10.0		109	79-137				
tert-Butylbenzene	9.9		"	10.0		99.4	77-138				
Toluene	11		"	10.0		106	80-127				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.29*		*"*	*10.0*		*92.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.09*		*"*	*10.0*		*90.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK91105 - EPA 5030B											
LCS Dup (BK91105-BSD1)								Prepared & Analyzed: 11/21/2019			
1,2,4-Trimethylbenzene	9.4		ug/L	10.0		93.5	82-132		6.42	30	
1,3,5-Trimethylbenzene	9.3		"	10.0		92.9	80-131		6.26	30	
Benzene	11		"	10.0		110	85-126		5.21	30	
Ethyl Benzene	9.8		"	10.0		98.5	80-131		6.10	30	
Isopropylbenzene	9.0		"	10.0		89.9	76-140		8.01	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		113	76-135		4.05	30	
Naphthalene	9.5		"	10.0		94.7	70-147		2.78	30	
n-Butylbenzene	7.5		"	10.0		75.4	79-132	Low Bias	17.5	30	
n-Propylbenzene	9.1		"	10.0		91.3	78-133		7.69	30	
o-Xylene	9.7		"	10.0		97.2	78-130		4.92	30	
p- & m- Xylenes	20		"	20.0		98.9	77-133		5.46	30	
p-Isopropyltoluene	9.6		"	10.0		95.8	81-136		5.78	30	
sec-Butylbenzene	9.9		"	10.0		99.0	79-137		6.73	30	
tert-Butylbenzene	9.0		"	10.0		90.0	77-138		7.59	30	
Toluene	9.7		"	10.0		97.2	80-127		6.37	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.49*		*"*	*10.0*		*94.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.17*		*"*	*10.0*		*91.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				
LCS Dup (BK91105-BSD2)								Prepared & Analyzed: 11/21/2019			
1,2,4-Trimethylbenzene	9.8		ug/L	10.0		97.6	82-132		3.32	30	
1,3,5-Trimethylbenzene	9.7		"	10.0		96.8	80-131		4.74	30	
Benzene	12		"	10.0		119	85-126		2.65	30	
Ethyl Benzene	10		"	10.0		104	80-131		2.74	30	
Isopropylbenzene	9.4		"	10.0		94.2	76-140		5.17	30	
Methyl tert-butyl ether (MTBE)	12		"	10.0		119	76-135		0.753	30	
Naphthalene	9.4		"	10.0		93.9	70-147		3.35	30	
n-Butylbenzene	8.8		"	10.0		87.5	79-132		4.91	30	
n-Propylbenzene	9.6		"	10.0		96.5	78-133		3.96	30	
o-Xylene	10		"	10.0		103	78-130		1.93	30	
p- & m- Xylenes	21		"	20.0		104	77-133		2.65	30	
p-Isopropyltoluene	10		"	10.0		99.6	81-136		4.90	30	
sec-Butylbenzene	10		"	10.0		104	79-137		5.06	30	
tert-Butylbenzene	9.6		"	10.0		95.9	77-138		3.58	30	
Toluene	10		"	10.0		103	80-127		2.79	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.53*		*"*	*10.0*		*95.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.15*		*"*	*10.0*		*91.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19K0602-01	2009-MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19K0602-02	MW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19K0602-03	MW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19K0602-04	MW-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19K0602-05	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

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.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 19K0602

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: The Chazen Companies	Company: Chazen	Company: Chazen
Address: 21 Fox Street 12601 Poughkeepsie, NY	Address:	Address:
Phone.: 845-454-3980	Phone.:	Phone.:
Contact: Will Olsen	Contact: Arlette + Will	Contact: Accounts Payable
E-mail: wolsen@chazencompanies.com	E-mail:	E-mail:

YOUR Project Number: 81434.00 TASK 16B0

YOUR Project Name: Redl - Cove Road

YOUR PO#: 5973

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) X

Please 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.

William G. Olsen

Samples Collected by: (print your name above and sign below)

Will G. Ol

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ⋮ Other

Samples From

New York
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)

Summary Report (circled)
QA Report
NY ASP A Package
NY ASP B Package
CT RCP
CT RCP DQA/DUE
NJDEP Reduced Deliverables
NJDKQP
Standard Excel EDD (circled)
EQuIS (Standard)
NYSDEC EQuIS (circled)
NJDEP SRP HazSite
Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

TOGS 1.1.1

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
2009-MW-2	GW	11-14-19 10:14	CP-51 VOCs	3x 40ml VOA
MW-5	↓	11:23	↓	
MW-6		12:04		
MW-7		12:40		
TRIP BLANK	D.F.			2X 40ml VOA

Comments: Samples placed in secure Chazen refrigerator @ 15:15, 11-14-19.

Preservation: (check all that apply)

HCl X MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: _____

Special Instruction

Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Will G. Ol / CHAZEN	11-14-19 15:15	Chris C	11-15-19 9:10	Chris C	11-15-19 1442
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				Tgale	11-15-19 1442 / 1.4 Degrees C