PRELIMINARY SITE ASSESSMENT

PRELIMINARY SITE ASSESSMENT
SR 4121 (GREENSBORO/HIGH POINT RD,) FROM PROP US 311
RICHARD R. AND MARY M. GLOVER PROPERTY

4014 AND 4016 PUMP STATION ROAD
PARCEL No. 062
HIGH POINT, GUILFORD COUNTY, NORTH CAROLINA

NCDOT WBS ELEMENT 34802.1.1
STATE PROJECT U-2412A

October 31, 2017

Prepared for:

Mr. Gordon Box
North Carolina Department of Transportation
Geotechnical Engineering Unit
1589 Mail Service Center
Raleigh, North Carolina 27699

Prepared by:

ECS Southeast, LLP
4811 Koger Boulevard
Greensboro, North Carolina 27407

ECS Project 49:5143

ECS SOUTHEAST, LLP
"Setting the Standard for Service"
Geotechnical • Construction Materials • Environmental • Facilities
NC Registered Engineering Firm F-1078
NC Registered Geologists Firm C-406
SC Registered Engineering Firm 3239

October 31, 2017

Mr. Gordon Box
North Carolina Department of Transportation
Geotechnical Engineering Unit
1589 Mail Service Center
Raleigh, NC 27699

Reference: Preliminary Site Assessment
State Project: U-2412A
WBS Element: 34802.1.1
Parcel No. 062
4014 and 4016 Pump Station Road
High Point, Guilford County, North Carolina
ECS Project 49.5143

Dear Mr. Box:

Please find enclosed a report summarizing the sampling activities for the Preliminary Site Assessment conducted at the referenced site. This report summarizes our field activities, results, laboratory report, and conclusions.

Should questions arise or additional information be required, please contact the undersigned.

Sincerely,

ECS Southeast, LLP

DocuSigned by:
Randy Cavallier
ECBEECAE1431444...
Randy Cavallier
Assistant Project Manager

DocuSigned by:
John Stewart
B00623D27C3149F...
John M. Stewart, P.G., CPG
Principal Geologist

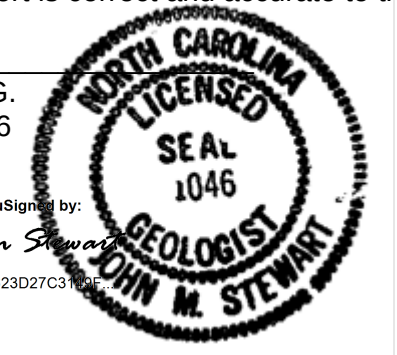
PRELIMINARY SITE ASSESSMENT

Site Name and Location:	Richard R. and Mary M. Glover Property Parcel No.062 4014 and 4016 Pump Station Road High Point, Guilford County, North Carolina
Latitude and Longitude:	35.985359° N, 79.950458° W
Property Owner	Richard R. and Mary M. Glover 108 Bramble Road Jamestown, North Carolina 27282
NCDOT Project No.:	WBS Element 34802.1.1 State Project U-2412A
Date of Report:	October 31, 2017
Consultant:	ECS Southeast, LLP 4811 Koger Boulevard Greensboro, North Carolina 27407 Attn: Mr. John M. Stewart, L.G. Phone: (336) 856-7150

Seal and Signature of Certifying Licensed Geologist

I, John M. Stewart, a Licensed Geologist for ECS Southeast, LLP do certify that the information contained in this report is correct and accurate to the best of my knowledge.

John M. Stewart, L.G.
NC License No. 1046



DocuSigned by:
John Stewart
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1.0 INTRODUCTION

ECS Southeast, LLP (ECS) has prepared this Preliminary Site Assessment (PSA) report documenting assessment activities performed at the Richard R. and Mary M. Glover property (Parcel 062) located at 4014 and 4016 Pump Station Road in High Point, Guilford County, North Carolina (Figure 1). This assessment was conducted on behalf of the North Carolina Department of Transportation (NCDOT) in accordance with ECS Proposal 49.6313-P dated August 24, 2017.

An apparent construction laydown yard is located east of North Scientific Street and south of Pump Station Road in High Point, Guilford County, North Carolina. Based on a series of aerial photographs, the site area has been used to store tanks (the materials stored in the tanks is unknown) since at least 2002 and various pieces of construction equipment. The sampling included in the PSA will emphasize the area south of the alignment, where the tanks have been present and an odor was detectable during the NCDOT site visit, and north of the alignment, where erosion control plans propose a drainage basin that will require excavation and possible special handling of excavated materials. There is no known groundwater incident associated with this site.

The purpose of this assessment was to determine the presence or absence of impacted soil at the subject property in proposed construction areas related to the construction of the proposed alignment.

1.1 Site Description

The area of investigation consists of the proposed Right-of-Way across Parcel No. 062. An apparent construction laydown yard is located across the proposed Right-of-Way. Based on a series of aerial photographs, the site area has been used to store construction equipment and supplies since at least 2002. The property is currently owned by Richard R. and Mary M. Glover. Site photographs are shown in Appendix A.

1.2 Site Location

The subject site is located east of North Scientific Street and south of Pump Station Road in Guilford County, High Point, North Carolina (Figures 1 and 2). The site address is 4014 and 4016 Pump Station Road, High Point, North Carolina.

2.0 SITE ASSESSMENT

2.1 Soil Sampling

To determine if contaminated soil may be encountered during the proposed construction activities, fifteen soil borings were drilled to collect soil samples across the property and two borings were drilled to collect samples for background metal concentrations. An ECS professional and direct push drill rig crew met at the property on September 26, 2017. Seventeen soil borings (GP-1 through GP-15 plus BKG-1 and BKG-2) were drilled by direct

push technology (DPT). The depth of the soil borings ranged from a depth of 9 feet below the ground surface (bgs) to 20 feet bgs where refusal was encountered. The approximate location of the borings is shown on Figure 2.

The soil samples were collected by driving a macrocore sampler in 5-foot intervals in each soil boring. Each 5-foot sample sleeve was divided in half and screened for volatile organic compounds in the field using a Thermo Scientific Toxic Vapor Analyzer 2020 flame ionization detector (FID). In each boring, the soil interval with the highest FID reading was collected for laboratory analysis. If no organic vapors were detected, the sample collected from the bottom of the boring was submitted for analysis. The FID readings ranged from 5.0 parts per million (ppm) to 5,861 ppm. The FID readings are summarized in Table 1. Copies of the boring logs are included in Appendix B. Prior to the initial boring and after each subsequent boring, the sampling equipment was decontaminated using a high pressure steam cleaner.

All soil samples were placed into laboratory provided jars, labeled, and maintained on ice until delivered to Red Labs in Wilmington, North Carolina. The soil samples collected for laboratory analysis were analyzed for total petroleum hydrocarbons (TPH) similar to diesel and gasoline range organics (DRO/GRO), benzene, toluene, ethylbenzene, total xylenes (BTEX), total aromatics, 16 EPA polyaromatic hydrocarbons (PAHs) and benzo-a-pyrene (BaP) using ultraviolet fluorescence (UVF). A portion of each sample was submitted to Prism Laboratories in Charlotte, North Carolina to be analyzed for volatile organic compounds (VOCs) using EPA Method 8260 and total RCRA metals. The samples were maintained under chain-of-custody until delivered to the laboratories. Chain-of Custody Records are included in Appendix C.

3.0 RESULTS

3.1 Soil Sample

Laboratory analysis detected TPH GRO in soil samples GP-1, GP-2, GP-3, GP-5, GP-6, GP-9, GP-13, GP-14, and GP-15 at concentrations that exceed the laboratory reporting limit. TPH GRO was detected in GP-5 above the North Carolina Department of Environmental Quality (NCDEQ) UST Section's Action Level of 50 milligram per kilogram (mg/kg).

Laboratory analysis detected TPH DRO in all the soil samples except GP-4 at concentrations that exceed the laboratory reporting limit. TPH DRO was detected in GP-1 and GP-5 above the NCDEQ UST Section's Action Level of 100 milligram per kilogram (mg/kg).

The petroleum laboratory results are summarized in Table 2 and on Figure 3.

Laboratory analysis detected acetone in soil sample GP-1, GP-3, GP-5, GP-6, GP-8, GP-9, GP-10, GP-11, GP-12, GP-13, GP-14, and GP-15 at a concentration that exceeds the laboratory reporting limit but not it's Inactive Hazardous Sites Branch (IHSB) Protection of Groundwater Preliminary Soil Remediation Goal (PSRG).

Laboratory analysis detected naphthalene in soil sample GP-5 at a concentration that exceeds the laboratory reporting limit but not it's IHSB PSRG.

Laboratory analysis detected methylene chloride in soil sample GP-7 at an estimated concentration that exceeds the laboratory reporting limit but not it's IHSB PSRG.

Laboratory analysis detected chloromethane in soil sample GP-12 at a concentration that exceeds the laboratory reporting limit but not it's IHSB PSRG.

Barium, chromium, and lead were detected in all the samples, including the background samples above the laboratory reporting limits but below their IHSB PSRGs.

Arsenic was detected in all the samples except GP-2, including the background samples, above the laboratory reporting limits but below its IHSB PSRG in samples GP-1, GP-3, GP-4, GP-5, GP-7, GP-8, GP-9, GP-12, GP-13, and GP-14. Arsenic was detected above the IHSB Protection of Groundwater and Industrial PSRGs in samples GP-6, GP-10, GP-11, and GP-15.

The VOC and metal laboratory results are summarized in Table 3 and on Figure 4.

The laboratory report and associated chain-of-custody document are included in Appendix C.

The area of potential petroleum contaminated soil covers two small areas each approximately 2,000 square feet (a circular area with a diameter of approximately 50 ft) and is located in the area of borings GP-1 and GP-5 (Figure 5). The petroleum contaminated soil appears to be located between land surface and a depth of at least ten feet below ground surface in the area of GP-1 and fifteen feet below ground surface in the area of GP-5. Based upon these dimensions, ECS estimates that the volume of petroleum contaminated soil in each area is approximately 740 and 1,111 cubic yards, respectively.

4.0 CONCLUSIONS

Based on results of the laboratory analysis and field observations, ECS has the following conclusions:

- Groundwater was not encountered in the soil borings;
- Gasoline and diesel range TPH was detected in the soil samples collected from soil borings GP-1 and GP-5 that exceed the North NCDEQ UST Section's Action Level. The petroleum release is likely former surface spills associated with the excavation equipment.
- There was no field or laboratory evidence that the tanks had leaked.
- Acetone was detected in several soil samples and methylene chloride and chloromethane were detected in one sample but not in concentrations that exceed the IHSB Protection of Groundwater and/or Industrial/Commercial PSRGs. The acetone and methylene chloride are commonly used in the laboratory and are attributed to laboratory artifacts. The source of the chloromethane may be a result of organic particles reacting to the extraction material. Naphthalene was detected in

the sample collected from GP-5. Analysis of GP-5 also detected both GRO and DRO. It is ECS's opinion the naphthalene is related to petroleum hydrocarbons detected in the sample.

- Arsenic, barium, chromium, and lead were detected in most of the samples collected. They were also detected in the background samples at similar concentrations. These metals are common in Piedmont soils of North Carolina and it is ECS' opinion they are naturally occurring and the results of surface spills of releases at the site.

- Approximately 740 and 1,111 cubic yards of petroleum impacted soil was determined to be located at two locations associated with leaking construction equipment left on site and/or surface spills.

5.0 LIMITATIONS

Our work has been performed in a manner consistent with that level of care and skill ordinarily exercised by other members of ECS's profession practicing in the same locality, under similar conditions and at the date the services were provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. ECS makes no guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

The information included on graphic representations in the report has been compiled from a variety of sources and is subject to change without notice. ECS makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. These documents are not intended for use as a land survey product, nor are they designed or intended as a construction design document. The use or misuse of the information contained on these graphic representations is at the sole risk of the party using or misusing the information.

TABLES

TABLE 1: SOIL SAMPLE FID RESULTS
Parcel No. 062 Richard & Mary Glover Property
4014 & 4016 Pump Station Road
High Point, Guilford County, North Carolina
ECS Project No. 49.5143

SAMPLE LOCATION	DEPTH (feet bgs)	FID READINGS
GP-1	0.0 - 5.0	**286**
	5.0 - 10.0	150
	10.0-11.0	No Reading
GP-2	0.0 - 5.0	6.8
	5.0 - 10.0	263
	10.0-15.0	**326**
	15.0-18.0	12.6
GP-3	0.0 - 5.0	613
	5.0 - 10.0	**973**
	10.0-15.0	117
	15.0-20.0	478
GP-4	0.0 - 5.0	926.0
	5.0 - 10.0	1,631
	10.0-15.0	**1,915**
GP-5	0.0 - 5.0	605
	5.0 - 10.0	**1,378**
	10.0-15.0	205
GP-6	0.0 - 5.0	39.3
	5.0 - 10.0	244
	10.0 - 15.0	**2,176**
GP-7	0.0 - 5.0	25.17
	5.0 - 9.0	**40.17**
GP-8	0.0 - 5.0	477
	5.0 - 10.0	**4,351**
	10.0 - 15.0	657
GP-9	0.0 - 5.0	101
	5.0 - 10.0	**3,186**
	10.0 - 15.0	1,563
GP-10	0.0 - 5.0	5.8
	5.0 - 10.0	1,380
	10.0 - 15.0	**1,677**
GP-11	0.0 - 5.0	89.5
	5.0 - 10.0	2,153
	10.0 - 15.0	**5,861**
GP-12	0.0 - 5.0	7.7
	5.0 - 10.0	212
	10.0 - 15.0	**795**
GP-13	0.0 - 5.0	5.0
	5.0 - 10.0	997
	10.0 - 15.0	**1,785**
GP-14	0.0 - 5.0	8.6
	5.0 - 10.0	452
	10.0 - 15.0	**981**
GP-15	0.0 - 5.0	253
	5.0 - 10.0	932
	10.0 - 15.0	**580**

Notes:
Samples were collected on 9/26/2017
Readings reported in parts per million
feet bgs = feet below ground surface
Bold = Sample selected for laboratory analysis

TABLE 2: SOIL SAMPLE ANALYTICAL SUMMARY
Parcel No. 062 Richard & Mary Glover Property
4014 & 4016 Pump Station Road
High Point, Guilford County, North Carolina
ECS Project No. 49.5143

SAMPLE ID	COLLECTION DATE	COLLECTION DEPTH (ft. bgs)	BTEX (C6 - C9)	GRO (C5 - C10)	DRO (C10 - C35)	TPH (C5 - C35)	Total Aromatics (C10-C35)	16 EPA PAHs	BaP
GP-1	9/26/2017	5	<18.5	<18.5	**121.2**	121.2	54.7	5.9	<0.74
GP-2		15	<0.53	<0.53	0.69	0.69	0.48	<0.17	<0.021
GP-3		10	<0.44	1.4	4.4	5.8	3.4	<0.17	<0.018
GP-4		15	<0.2	<0.2	<0.2	0.1	0.1	<0.06	<0.008
GP-5		10	<94	**424.2**	**964.8**	1,389	668.6	37.6	<3.8
GP-6		15	<1.2	9.4	75.4	84.8	37.1	1.9	<0.049
GP-7		9	<1.3	<1.3	85.4	85.4	42.3	4.5	0.11
GP-8		10	<0.5	<0.5	14.3	14.3	7.2	0.38	<0.02
GP-9		10	<0.5	2.4	15.9	18.3	7.7	0.88	0.033
GP-10		15	<0.68	<0.68	30.9	30.9	15.8	0.89	<0.027
GP-11		15	<0.49	<0.49	37.9	37.9	18.2	2.1	0.065
GP-12		15	<0.46	<0.46	28.3	28.3	12.7	0.66	<0.019
GP-13		15	<0.47	1.2	13	14.2	12.3	0.68	<0.019
GP-14		15	<0.47	1.1	14.4	15.5	13.9	0.78	<0.019
GP-15		10	<0.46	0.72	1.3	2	0.54	<0.15	<0.018
State Action Level			NS	50	100	NS	NS	NS	NS

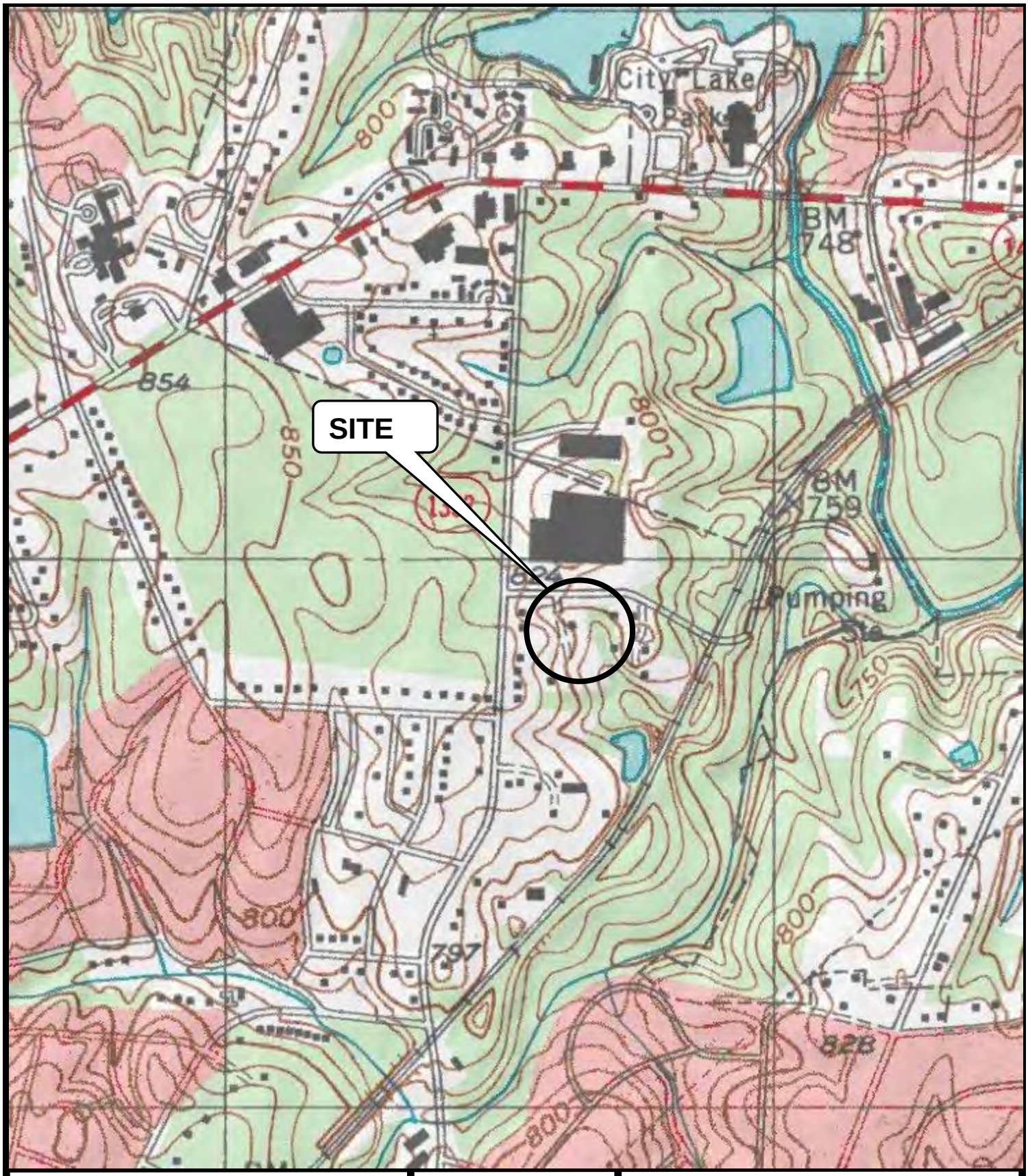
Notes:
ft. bgs = Feet below the ground surface
Results presented in milligrams per kilogram, analogous to parts per million
DRO = Diesel Range Organics
BQL = Below quantitation limit
BTEX = Benzene, Toluene, Ethylbenzene and Xylenes
TPH = Total Petroleum Hydrocarbons

TABLE 3: SUMMARY OF VOC RESULTS
Parcel No. 062 Richard & Mary Glover Property
4014 & 4016 Pump Station Road
High Point, Guilford County, North Carolina
ECS Project No. 49.5143

Sample Identification	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	GP-9	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	BG-1	BG-2	Protection of Groundwater PSRG	Industrial/ Commercial PSRG
Sample Date	04/27/17																		
VOCs by EPA Method 8260																			
Acetone	0.068	<0.046	0.077	<0.046	0.13	0.14	<0.046	0.14	0.056	0.047J	0.10	0.12	0.033J	0.086	0.039J			24	100,000
Naphthalene	<0.011	<0.011	<0.011	<0.011	0.019	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011			0.21	17
Methylene Chloride	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0038J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010			0.023	640
Chloromethane	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	0.014	<0.0047	<0.0047	<0.0047			0.015	92
RCRA Metals by EPA Method 6010D																			
Arsenic	1.8	<0.26	1.1	0.5	0.46	**13**	0.47	1.7	1.7	**6.9**	**4.6**	3.0	1.0	2.3	**3.2**	1.7	0.41	5.8	3.0
Barium	120	410	69	81	160	53	73	84	88	110	68	43	57	95	62	92	110	580	44,000
Chromium	73	41	23	150	17	140	14	39	64	93	18	43	39	48	210	81	130	36,000	100,000
Lead	6.3	2.4	10	2.9	3.1	11	2.4	5.3	8.5	77	27	29	5.9	27	12	22	2.6	270	800
Mercury	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	0.026	0.37	<0.024	0.055	0.026	0.055	<0.024	0.049	<0.024	1.0	3.13

Notes:
mg/kg = miliograms per kilograms = ppm (parts per million)
BOLD = Concentration Above the Protection of Groundwater PSRG
UNDERLINE = Concentration Above Industrial Commercial PSRG
J = Estimated concentration

FIGURES



SOURCE:

USGS TOPOGRAPHIC MAP
HIGH POINT, NORTH CAROLINA
QUADRANGLE, DATED 1969 AND REVISED 1997

= 2,000'

FIGURE 1

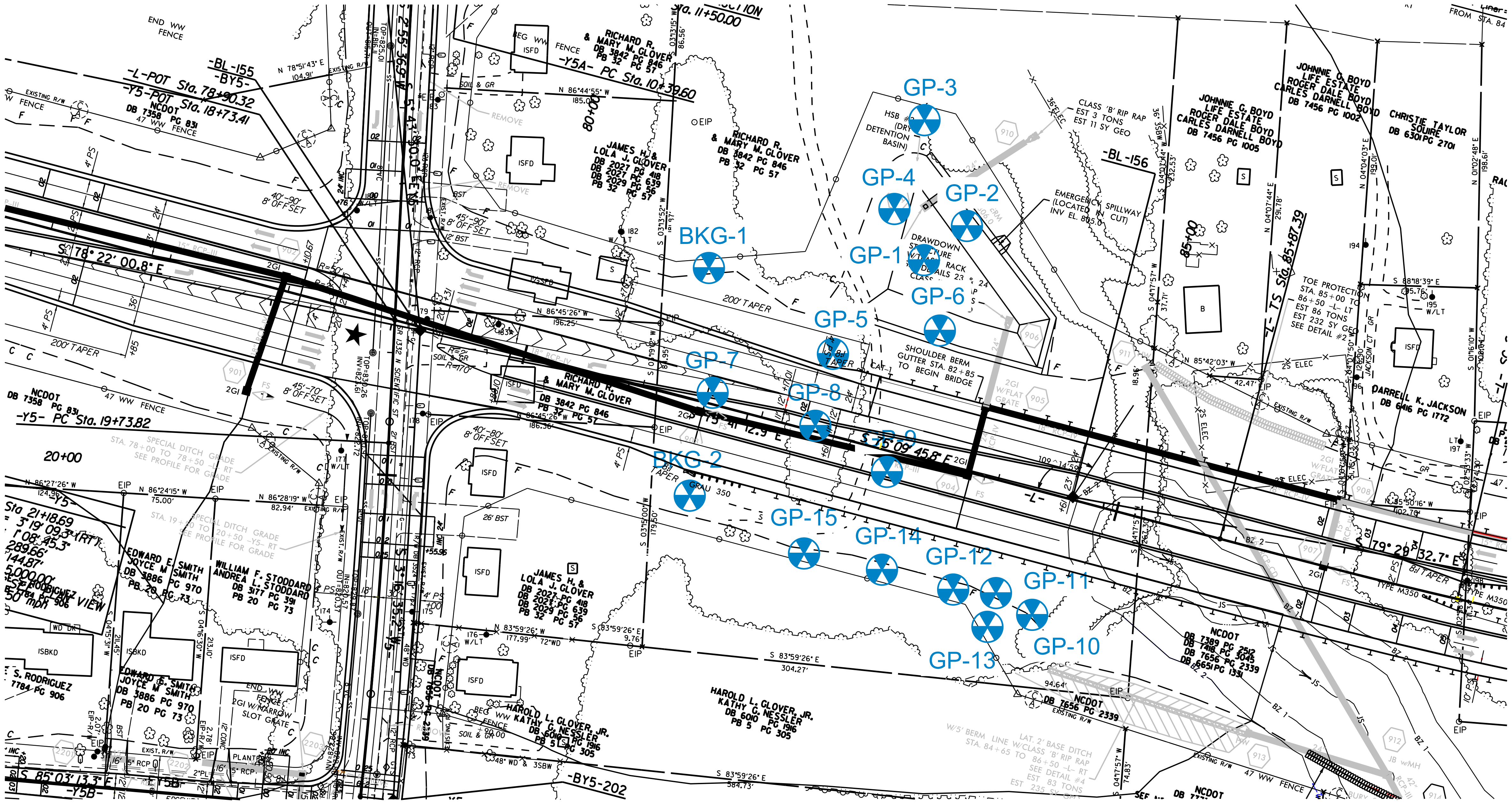
SITE LOCATION MAP
PARCEL 062
4014 and 4016 PUMP STATION ROAD
HIGH POINT, GUILFORD COUNTY, NC

ECS PROJECT NO. 49-5143

EXPLANATION

= SOIL BORING

*NC DOT CONVENTIONAL PLAN SHEET SYMBOLS PAGE ATTACHED



REVISIONS	DATE

SCALE 1"=100'

50 100

100 0

REFERENCE:

SITE DATA PROVIDED BY NC DOT IN ELECTRONIC FORMAT

FIGURE 2 - SAMPLE LOCATION MAP
PARCEL NO. 062 - GLOVER PROPERTY
SR 4121 FROM PROP US 311 TO EAST 6 SR 1480
HIGH POINT, GUILFORD COUNTY
NORTH CAROLINA

NC DOT PROJECT ID: U-2412A	DATE: 01/02/2018	WBS ELEMENT 34802.1.1
DRAWN BY: JRF	CHECKED BY: JRF	ECS PROJECT NO.: 49-5143

GP-7	
COMPONENT	RESULT
BTEX	<1.3
GRO	<1.3
DRO	85.4
TPH	85.4
AROMATICS	42.3
16 EPA PAH's	4.5
BaP	0.11

GP-5	
COMPONENT	RESULT
BTEX	<94
GRO	424.2
DRO	964.8
TPH	1389
AROMATICS	668.6
16 EPA PAH's	37.6
BaP	<3.8

GP-1	
COMPONENT	RESULT
BTEX	<18.5
GRO	<18.5
DRO	121.2
TPH	121.2
AROMATICS	54.7
16 EPA PAH's	<5.9
BaP	<0.74

GP-4	
COMPONENT	RESULT
BTEX	<0.2
GRO	<0.2
DRO	<0.2
TPH	0.1
AROMATICS	0.1
16 EPA PAH's	<0.06
BaP	<0.008

GP-3	
COMPONENT	RESULT
BTEX	<0.44
GRO	1.4
DRO	4.4
TPH	5.8
AROMATICS	3.4
16 EPA PAH's	<0.17
BaP	<0.018

GP-2	
COMPONENT	RESULT
BTEX	<0.53
GRO	<0.53
DRO	0.69
TPH	0.69
AROMATICS	0.48
16 EPA PAH's	<0.17
BaP	<0.021

EXPLANATION

SB-1 = SOIL BORING

*NC DOT CONVENTIONAL PLAN SHEET SYMBOLS PAGE ATTACHED

GP-6	
COMPONENT	RESULT
BTEX	<1.2
GRO	9.4
DRO	75.4
TPH	84.8
AROMATICS	37.1
16 EPA PAH's	1.9
BaP	<0.049

GP-8	
COMPONENT	RESULT
BTEX	<0.5
GRO	<0.5
DRO	14.3
TPH	14.3
AROMATICS	7.2
16 EPA PAH's	0.38
BaP	<0.02

GP-9	
COMPONENT	RESULT
BTEX	<0.5
GRO	2.4
DRO	15.9
TPH	18.3
AROMATICS	7.7
16 EPA PAH's	0.88
BaP	0.033

GP-15	
COMPONENT	RESULT
BTEX	<0.46
GRO	0.72
DRO	1.3
TPH	2
AROMATICS	0.54
16 EPA PAH's	<0.15
BaP	<0.018

GP-12	
COMPONENT	RESULT
BTEX	<0.46
GRO	<0.46
DRO	28.3
TPH	28.3
AROMATICS	12.7
16 EPA PAH's	0.66
BaP	<0.019

GP-14	
COMPONENT	RESULT
BTEX	<0.47
GRO	1.1
DRO	14.4
TPH	15.5
AROMATICS	13.9
16 EPA PAH's	0.78
BaP	<0.019

GP-13	
COMPONENT	RESULT
BTEX	<0.47
GRO	1.2
DRO	13
TPH	14.2
AROMATICS	12.3
16 EPA PAH's	0.68
BaP	<0.019

GP-11	
COMPONENT	RESULT
BTEX	<0.49
GRO	<0.49
DRO	37.9
TPH	37.9
AROMATICS	18.2
16 EPA PAH's	2.1
BaP	0.065

GP-10	
COMPONENT	RESULT
BTEX	<0.68
GRO	<0.68
DRO	30.9
TPH	30.9
AROMATICS	15.8
16 EPA PAH's	0.89
BaP	<0.027

REVISIONS	DATE

SCALE 1"=100'

50 100

100 0

REFERENCE:

SITE DATA PROVIDED BY NC DOT IN ELECTRONIC FORMAT

FIGURE 3 - PETROLEUM IMPACTED SOIL
PARCEL NO. 062 - GLOVER PROPERTY
SR 4121 FROM PROP US 311 TO EAST 6 SR 1480
HIGH POINT, GUILFORD COUNTY
NORTH CAROLINA

NC DOT PROJECT ID: U-2412A	DATE: 01/02/2018	WBS ELEMENT 34802.1.1
DRAWN BY: JRF	CHECKED BY: JRF	ECS PROJECT NO.: 49-5143

GP-7	
COMPONENT	RESULT
ARSENIC	0.47
BARIUM	73
CHROMIUM	14
LEAD	2.4
ACETONE	0.079
METHYLENE CHLORIDE	0.0038J

GP-5	
COMPONENT	RESULT
ARSENIC	0.46
BARIUM	160
CHROMIUM	17
LEAD	3.1
ACETONE	0.13
NAPHTHALENE	0.019

BKG-1	
COMPONENT	RESULT
ARSENIC	1.7
BARIUM	92
CHROMIUM	81
LEAD	22
MERCURY	0.049

GP-1	
COMPONENT	RESULT
ARSENIC	1.8
BARIUM	120
CHROMIUM	73
LEAD	6.3
ACETONE	0.068

GP-4	
COMPONENT	RESULT
ARSENIC	0.50
BARIUM	81
CHROMIUM	150
LEAD	2.9

GP-3	
COMPONENT	RESULT
ARSENIC	1.1
BARIUM	69
CHROMIUM	23
LEAD	10
ACETONE	0.077

GP-2	
COMPONENT	RESULT
BARIUM	410
CHROMIUM	41
LEAD	2.4

EXPLANATION

SB-1 = SOIL BORING

*NC DOT CONVENTIONAL PLAN SHEET SYMBOLS PAGE ATTACHED

GP-8	
COMPONENT	RESULT
ARSENIC	1.7
BARIUM	84
CHROMIUM	39
LEAD	5.3
ACETONE	0.14

GP-15	
COMPONENT	RESULT
ARSENIC	3.2
BARIUM	62
CHROMIUM	210
LEAD	12
ACETONE	0.0395J

GP-14	
COMPONENT	RESULT
ARSENIC	2.3
BARIUM	95
CHROMIUM	48
LEAD	27
MERCURY	0.055
ACETONE	0.086

BKG-2	
COMPONENT	RESULT
ARSENIC	0.41
BARIUM	110
CHROMIUM	130
LEAD	2.6

GP-13	
COMPONENT	RESULT
ARSENIC	1.0
BARIUM	57
CHROMIUM	39
LEAD	5.9
MERCURY	0.026
ACETONE	0.033J

GP-6	
COMPONENT	RESULT
ARSENIC	13
BARIUM	53
CHROMIUM	140
LEAD	11
ACETONE	0.14

GP-9	
COMPONENT	RESULT
ARSENIC	1.7
BARIUM	88
CHROMIUM	64
LEAD	8.5
MERCURY	0.026
ACETONE	0.056

GP-12	
COMPONENT	RESULT
ARSENIC	3.0
BARIUM	43
CHROMIUM	43
LEAD	29
MERCURY	0.055
ACETONE	0.12
CHLORO-METHANE	0.014

GP-11	
COMPONENT	RESULT
ARSENIC	4.6
BARIUM	68
CHROMIUM	18
LEAD	27
ACETONE	0.10

GP-10	
COMPONENT	RESULT
ARSENIC	6.9
BARIUM	110
CHROMIUM	93
LEAD	77
MERCURY	0.37
ACETONE	0.047J

REVISIONS	DATE

SCALE 1"=100'

50 100

100 0

REFERENCE:

SITE DATA PROVIDED BY NC DOT IN ELECTRONIC FORMAT

FIGURE 4 - VOC AND METALS MAP
PARCEL NO. 062 - GLOVER PROPERTY
SR 4121 FROM PROP US 311 TO EAST 6 SR 1480
HIGH POINT, GUILFORD COUNTY
NORTH CAROLINA

NC DOT PROJECT ID: U-2412A	DATE: 01/02/2018	WBS ELEMENT 34802.1.1
DRAWN BY: JRF	CHECKED BY: JRF	ECS PROJECT NO.: 49-5143

GP-7	
COMPONENT	RESULT
BTEX	<1.3
GRO	<1.3
DRO	85.4
TPH	85.4
AROMATICS	42.3
16 EPA PAH's	4.5
BaP	0.11

GP-5	
COMPONENT	RESULT
BTEX	<94
GRO	424.2
DRO	964.8
TPH	1389
AROMATICS	668.6
16 EPA PAH's	37.6
BaP	<3.8

GP-1	
COMPONENT	RESULT
BTEX	<18.5
GRO	<18.5
DRO	121.2
TPH	121.2
AROMATICS	54.7
16 EPA PAH's	<5.9
BaP	<0.74

GP-4	
COMPONENT	RESULT
BTEX	<0.2
GRO	<0.2
DRO	<0.2
TPH	0.1
AROMATICS	0.1
16 EPA PAH's	<0.06
BaP	<0.008

GP-3	
COMPONENT	RESULT
BTEX	<0.44
GRO	1.4
DRO	4.4
TPH	5.8
AROMATICS	3.4
16 EPA PAH's	<0.17
BaP	<0.018

GP-2	
COMPONENT	RESULT
BTEX	<0.53
GRO	<0.53
DRO	0.69
TPH	0.69
AROMATICS	0.48
16 EPA PAH's	<0.17
BaP	<0.021

EXPLANATION

SB-1 = SOIL BORING

*NC DOT CONVENTIONAL PLAN SHEET SYMBOLS PAGE ATTACHED

GP-6	
COMPONENT	RESULT
BTEX	<1.2
GRO	9.4
DRO	75.4
TPH	84.8
AROMATICS	37.1
16 EPA PAH's	1.9
BaP	<0.049

GP-8	
COMPONENT	RESULT
BTEX	<0.5
GRO	<0.5
DRO	14.3
TPH	14.3
AROMATICS	7.2
16 EPA PAH's	0.38
BaP	<0.02

GP-9	
COMPONENT	RESULT
BTEX	<0.5
GRO	2.4
DRO	15.9
TPH	18.3
AROMATICS	7.7
16 EPA PAH's	0.88
BaP	0.033

GP-15	
COMPONENT	RESULT
BTEX	<0.46
GRO	0.72
DRO	1.3
TPH	2
AROMATICS	0.54
16 EPA PAH's	<0.15
BaP	<0.018

GP-12	
COMPONENT	RESULT
BTEX	<0.46
GRO	<0.46
DRO	28.3
TPH	28.3
AROMATICS	12.7
16 EPA PAH's	0.66
BaP	<0.019

GP-14	
COMPONENT	RESULT
BTEX	<0.47
GRO	1.1
DRO	14.4
TPH	15.5
AROMATICS	13.9
16 EPA PAH's	0.78
BaP	<0.019

GP-11	
COMPONENT	RESULT
BTEX	<0.49
GRO	<0.49
DRO	37.9
TPH	37.9
AROMATICS	18.2
16 EPA PAH's	2.1
BaP	0.065

GP-13	
COMPONENT	RESULT
BTEX	<0.47
GRO	1.2
DRO	13
TPH	14.2
AROMATICS	12.3
16 EPA PAH's	0.68
BaP	<0.019

GP-10	
COMPONENT	RESULT
BTEX	<0.68
GRO	<0.68
DRO	30.9
TPH	30.9
AROMATICS	15.8
16 EPA PAH's	0.89
BaP	<0.027

REVISIONS	DATE

SCALE 1"=100'

50 100

100 0

REFERENCE:

SITE DATA PROVIDED BY NC DOT IN ELECTRONIC FORMAT

ECS

FIGURE 5 - AREA OF IMPACTED SOIL
PARCEL NO. 062 - GLOVER PROPERTY
SR 4121 FROM PROP US 311 TO EAST 6 SR 1480
HIGH POINT, GUILFORD COUNTY
NORTH CAROLINA

NC DOT PROJECT ID: U-2412A	DATE: 01/02/2018	WBS ELEMENT 34802.1.1
DRAWN BY: JRF	CHECKED BY: JRF	ECS PROJECT NO.: 49-5143

Note: Not to Scale

**S.U.E. = Subsurface Utility Engineering*

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin
- Property Corner
- Property Monument
- Parcel/Sequence Number
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary
- Proposed Wetland Boundary
- Existing Endangered Animal Boundary
- Existing Endangered Plant Boundary
- Known Soil Contamination: Boundary or Site
- Potential Soil Contamination: Boundary or Site

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign
- Well
- Small Mine
- Foundation
- Area Outline
- Cemetery
- Building
- School
- Church
- Dam

HYDROLOGY:

- Stream or Body of Water
- Hydro, Pool or Reservoir
- Jurisdictional Stream
- Buffer Zone 1
- Buffer Zone 2
- Flow Arrow
- Disappearing Stream
- Spring
- Wetland
- Proposed Lateral, Tail, Head Ditch
- False Sump

RAILROADS:

- Standard Gauge
- RR Signal Milepost
- Switch
- RR Abandoned
- RR Dismantled

RIGHT OF WAY:

- Baseline Control Point
- Existing Right of Way Marker
- Existing Right of Way Line
- Proposed Right of Way Line
- Proposed Right of Way Line with Iron Pin and Cap Marker
- Proposed Right of Way Line with Concrete or Granite Marker
- Existing Control of Access
- Proposed Control of Access
- Existing Easement Line
- Proposed Temporary Construction Easement
- Proposed Temporary Drainage Easement
- Proposed Permanent Drainage Easement
- Proposed Permanent Drainage / Utility Easement
- Proposed Permanent Utility Easement
- Proposed Temporary Utility Easement
- Proposed Aerial Utility Easement
- Proposed Permanent Easement with Iron Pin and Cap Marker

ROADS AND RELATED FEATURES:

- Existing Edge of Pavement
- Existing Curb
- Proposed Slope Stakes Cut
- Proposed Slope Stakes Fill
- Proposed Curb Ramp
- Curb Cut Future Ramp
- Existing Metal Guardrail
- Proposed Guardrail
- Existing Cable Guiderail
- Proposed Cable Guiderail
- Equality Symbol
- Pavement Removal

VEGETATION:

- Single Tree
- Single Shrub
- Hedge
- Woods Line
- Orchard
- Vineyard

EXISTING STRUCTURES:

MAJOR:
- Bridge, Tunnel or Box Culvert
- Bridge Wing Wall, Head Wall and End Wall

MINOR:
- Head and End Wall
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB
- Paved Ditch Gutter
- Storm Sewer Manhole
- Storm Sewer

UTILITIES:

POWER:
- Existing Power Pole
- Proposed Power Pole
- Existing Joint Use Pole
- Proposed Joint Use Pole
- Power Manhole
- Power Line Tower
- Power Transformer
- U/G Power Cable Hand Hole
- H-Frame Pole
- Recorded U/G Power Line
- Designated U/G Power Line (S.U.E.*)

TELEPHONE:
- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole
- Telephone Booth
- Telephone Pedestal
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole
- Recorded U/G Telephone Cable
- Designated U/G Telephone Cable (S.U.E.*)
- Recorded U/G Telephone Conduit
- Designated U/G Telephone Conduit (S.U.E.*)
- Recorded U/G Fiber Optics Cable
- Designated U/G Fiber Optics Cable (S.U.E.*)

WATER:
- Water Manhole
- Water Meter
- Water Valve
- Water Hydrant
- Recorded U/G Water Line
- Designated U/G Water Line (S.U.E.*)
- Above Ground Water Line

TV:
- TV Satellite Dish
- TV Pedestal
- TV Tower
- U/G TV Cable Hand Hole
- Recorded U/G TV Cable
- Designated U/G TV Cable (S.U.E.*)
- Recorded U/G Fiber Optic Cable
- Designated U/G Fiber Optic Cable (S.U.E.*)

GAS:
- Gas Valve
- Gas Meter
- Recorded U/G Gas Line
- Designated U/G Gas Line (S.U.E.*)
- Above Ground Gas Line

SANITARY SEWER:
- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- U/G Sanitary Sewer Line
- Above Ground Sanitary Sewer
- Recorded SS Forced Main Line
- Designated SS Forced Main Line (S.U.E.*)

MISCELLANEOUS:
- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box
- Utility Unknown U/G Line
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc.
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- U/G Test Hole (S.U.E.*)
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

REVISIONS	DATE

SCALE 1"=100'

50 100 100 0

REFERENCE:

SITE DATA PROVIDED
BY NC DOT
IN ELECTRONIC FORMAT

FIGURE 6 - LEGEND

SR 4121 FROM PROP US 311 TO EAST 6 SR 1480
HIGH POINT, GUILFORD COUNTY
NORTH CAROLINA

NC DOT PROJECT ID: U-2412A	DATE: 01/02/2018	WBS ELEMENT 34802.1.1
DRAWN BY: JRF	CHECKED BY: JRF	ECS PROJECT NO.: 49-5143

APPENDIX A

Photograph No. 1
View of the site looking east of fill material

Photograph No. 2
View looking south of buried debris.

Photograph No. 3
View of typical piles of concrete, brick, and rock debris.

Photograph No. 3
View of grading equipment and construction materials on site.

Photograph No. 5
View of tanks (former USTs) located on the south side of the site.

Photograph No. 6
View of impacted soil from leaking hydraulic line on excavation equipment.

Photograph No. 7
Clearing and grubbing the site.

Photograph No. 8
View of sampling adjacent to the tanks after clearing.

Photograph No. 9
Tires and concrete pipe undercovered.

Photograph No. 10
View of clearing vegetation off of tanks.

APPENDIX B

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-1
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
					ML-CL	brown-gray clayey silt
	286	GP-1			ML	brown/gray silt
10	150					refusal at 11 feet
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be interpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-2
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
					GM	brown/tan rocky silt
	6.8					gray clayey silt
10	263				ML-CL	brown/gray clayey silt
	326	GP-2				
	12.6					refusal at 18 feet
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be in terpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-3
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
	613					brown/gray clayey silt
10	973	GP-3			ML-CL	
	117					brown clayey silt
20	478					refusal at 20 feet
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be in terpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-4
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
					ML-CL	brown clayey silt
	926					brown/gray silt
10	1,631				ML	brown/red silt
	1,915	GP-4				
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be in terpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-5
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
					ML-CL	brown clayey silt
	605					brown/black rocky silt
10	1,378	GP-5			GM	brown rocky silt
	205					
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be in terpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-6
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
	39.3				**ML Fill**	brown silt (fill)
10	244					
	2,176	GP-6			**GM**	brown rocky silt
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be interpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-7
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
					ML	brown silt
	2,517	GP-7			GM	white rocky silt
10	40.17					refusal at 9 feet
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be interpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-8
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
	477				**ML-CL**	brown clayey silt
10	4,351	GP-8			**ML**	tan/brown silt
	659					
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be interpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-9
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
	101				ML-CL	brown clayey silt gray clayey silt
10	3,186	GP-9			GM	gray rocky silt (wet)
	1,563					
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be in terpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-10
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
	5.8				ML-CL	brown clayey silt
10	1,380					gray clayey silt (moist)
	1,677	GP-10				
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be in terpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-11
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
					ML-CL	brown clayey silt
	89.5				ML	red/orange silt
10	2,153				GM	gray rocky silt
	5,861	GP-11				
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be in terpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-12
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
					ML-CL	brown clayey silt
	7.7					brown/red silt
10	212				ML	brown/gray silt
	795	GP-12				
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be in terpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-13
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
	5.0				ML-CL	brown clayey silt
10	997					gray clayey silt
	1,785	GP-13				
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be in terpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-14
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0	8.6	GP-14			ML-CL	brown clayey silt
10	452				ML	gray silt
	981					
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be in terpreted as being indicative of the site.

PROJECT: NCDOT - U2412A
CLIENT: NCDOT

BORING NUM. GP-15
PROJECT NO. 49-5143

LOCATION: 4104 & 4106 Pump Station Road, High Point, NC	ELEVATION:	
DRILLER: 3D Environmental Investigations	DATE DRILLED: 9/26/17	LOGGED BY: Randy Cavallier
DRILL RIG: Geoprobe	DEPTH TO WATER:	

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0						
	253	GP-15			ML-CL	brown/gray clayey silt
10	932				ML	gray silt
	580					
20						
30						
40						
50						
60						
70						

This information pertains only to this boring and should not be interpreted as being indicative of the site.

APPENDIX C

QED

AQROS

Hydrocarbon Analysis Results

Client: ECS
Address: 4811 KOGER BLVD
GREENSBORO, NC 27407

Samples taken Tuesday, September 26, 2017
Samples extracted Tuesday, September 26, 2017
Samples analysed Thursday, September 28, 2017

Contact: RANDY CAVALLIER

Operator BRUZDZINSKI

Project: NCDOT-14P. NCDOT U-2412A. ELEMENT 34802.1.1

U00904

Matrix	Sample ID	Dilution used	BTEX (C6 - C9)	GRO (C5 - C10)	DRO (C10 - C35)	TPH (C5 - C35)	Total Aromatics (C10-C35)	16 EPA PAHs	BaP	% Ratios			HC Fingerprint Match
										C5 - C10	C10 - C18	C18	
s	GP-1	740.0	<18.5	<18.5	121.2	121.2	54.7	<5.9	<0.74	0	76.4	23.6	Pyrogenic HC 72.5%,(FCM)
s	GP-2	21.3	<0.53	<0.53	0.69	0.69	0.48	<0.17	<0.021	0	68	32	V.Deg.PHC 76.7%,(FCM),(P)
s	GP-3	17.7	<0.44	1.4	4.4	5.8	3.4	<0.14	<0.018	52.7	42.4	4.9	Deg.Fuel 84.1%,(FCM)
s	GP-4	8.1	<0.2	<0.2	<0.2	0.1	0.1	<0.06	<0.008	0	60.3	39.7	Residual HC,(BO)
s	GP-5	3761.0	<94	424.2	964.8	1389	668.6	37.6	<3.8	50.5	43.8	5.7	Deg Fuel 91.2%,(FCM)
s	GP-6	49.0	<1.2	9.4	75.4	84.8	37.1	1.9	<0.049	24.2	61	14.7	Deg.PHC 79%,(FCM)
s	GP-7	53.8	<1.3	<1.3	85.4	85.4	42.3	4.5	0.11	0	88	12	Road Tar 82.6%,(FCM)
s	GP-8	20.0	<0.5	<0.5	14.3	14.3	7.2	0.38	<0.02	0	80.6	19.4	Deg.PHC 80.4%,(FCM)
s	GP-9	20.2	<0.5	2.4	15.9	18.3	7.7	0.88	0.033	27.2	61.7	11.2	Road Tar 92.5%,(FCM),(BO)
s	GP-10	27.4	<0.68	<0.68	30.9	30.9	15.8	0.89	<0.027	0	90.8	9.2	Deg.PHC 77.6%,(FCM)

Initial Calibrator QC check OK Final FCM QC Check OK 100.5 %

Concentration values in mg/kg for soil samples and mg/L for water samples. Soil values uncorrected for moisture or stone content. Fingerprints provide a tentative hydrocarbon identification.

Abbreviations :- FCM = Results calculated using Fundamental Calibration Mode : % = confidence of hydrocarbon identification : (PFM) = Poor Fingerprint Match : (T) = Turbid : (P) = Particulate detected

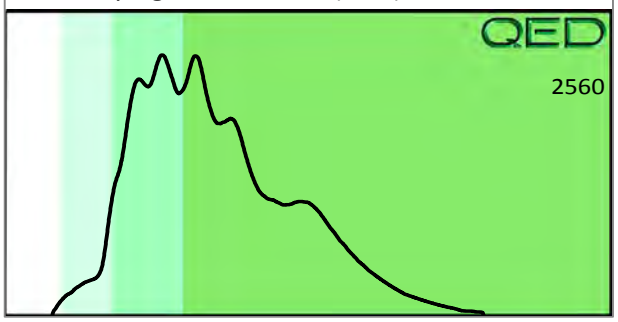
B = Blank Drift : (SBS)/(LBS) = Site Specific or Library Background Subtraction applied to result : (BO) = Background Organics detected : (OCR) = Outside cal range : (M) = Modifed Result.

% Ratios estimated aromatic carbon number proportions : HC = Hydrocarbon : PHC = Petroleum HC : FP = Fingerprint only. **Data generated by HC-1 Analyser**

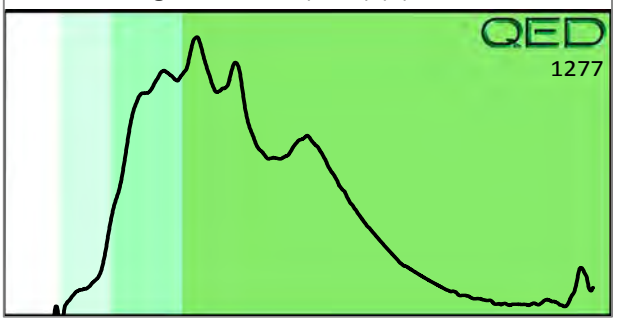
QED Hydrocarbon Fingerprints

Project: NCDOT-14P. NCDOT U-2412A. ELEMENT 34802.1.1 Thursday, September 28, 2017

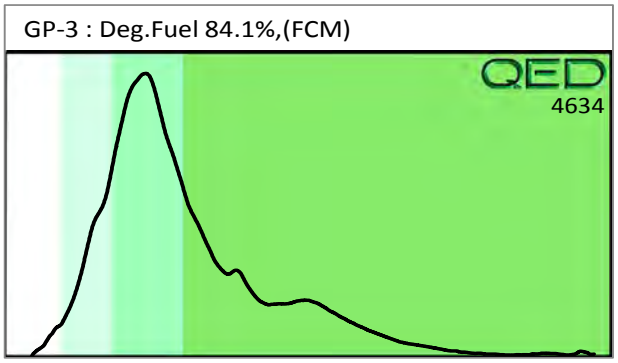
GP-1 : Pyrogenic HC 72.5%,(FCM)



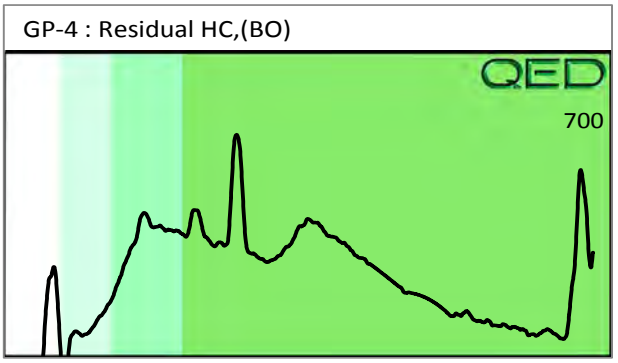
GP-2 : V.Deg.PHC 76.7%,(FCM),(P)



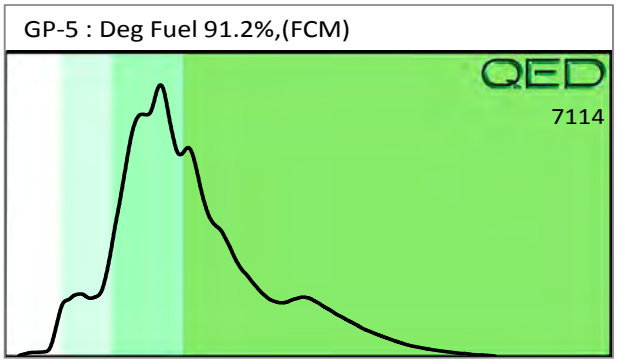
GP-3 : Deg.Fuel 84.1%,(FCM)



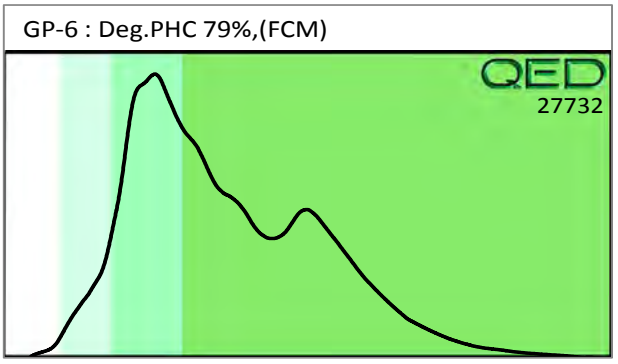
GP-4 : Residual HC,(BO)



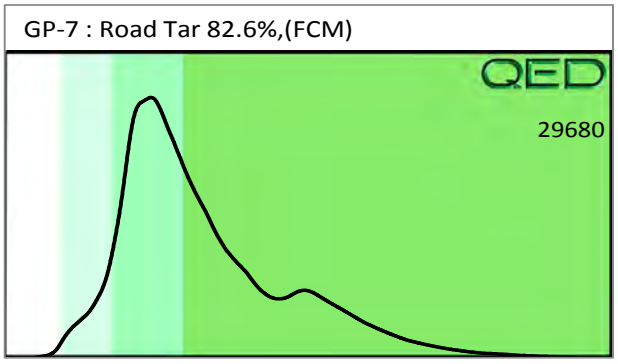
GP-5 : Deg Fuel 91.2%,(FCM)



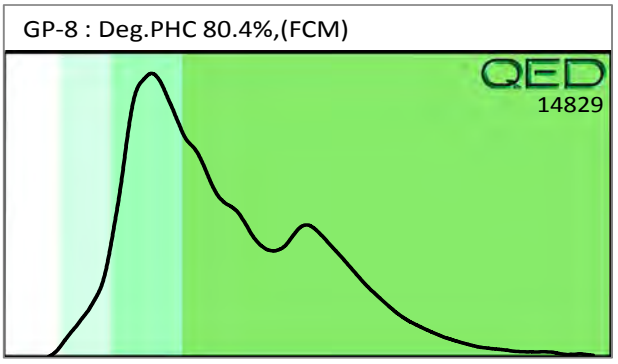
GP-6 : Deg.PHC 79%,(FCM)



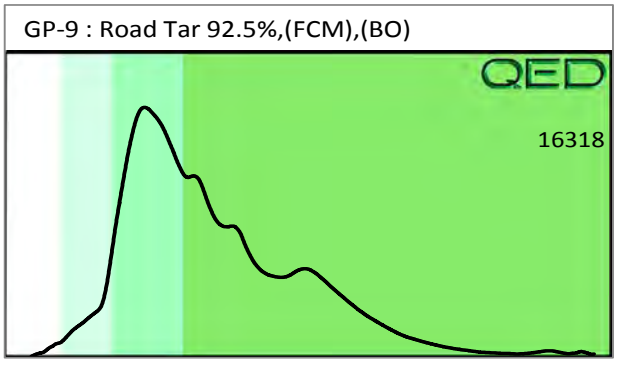
GP-7 : Road Tar 82.6%,(FCM)



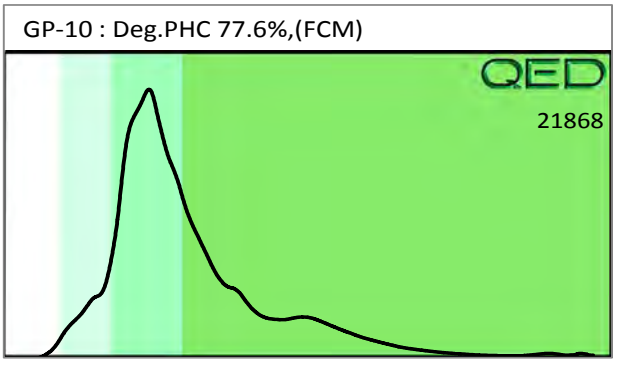
GP-8 : Deg.PHC 80.4%,(FCM)



GP-9 : Road Tar 92.5%,(FCM),(BO)



GP-10 : Deg.PHC 77.6%,(FCM)



QED

AQROS

Hydrocarbon Analysis Results

Client: ECS
Address: 4811 KOGER BLVD
GREENSBORO, NC 27407

Samples taken Tuesday, September 26, 2017
Samples extracted Tuesday, September 26, 2017
Samples analysed Thursday, September 28, 2017

Contact: RANDY CAVALLIER

Operator BRUZDZINSKI

Project: NCDOT-14P. NCDOT U-2412A. ELEMENT 34802.1.1

U00904

Matrix	Sample ID	Dilution used	BTEX (C6 - C9)	GRO (C5 - C10)	DRO (C10 - C35)	TPH (C5 - C35)	Total Aromatics (C10-C35)	16 EPA PAHs	BaP	% Ratios			HC Fingerprint Match
										C5 - C10	C10 - C18	C18	
s	GP-11	19.7	<0.49	<0.49	37.9	37.9	18.2	2.1	0.065	0	85.6	14.4	Road Tar 92.6%,(FCM),(BO)
s	GP-12	18.6	<0.46	<0.46	28.3	28.3	12.7	0.66	<0.019	0	81.7	18.3	V.Deg.PHC 81.6%,(FCM),(P)
s	GP-13	18.8	<0.47	1.2	13	14.2	12.3	0.68	<0.019	13	74.5	12.5	Deg Fuel 90.1%,(FCM),(BO)
s	GP-14	18.8	<0.47	1.1	14.4	15.5	13.9	0.78	<0.019	11.1	76.5	12.4	Deg Fuel 90.3%,(FCM),(BO)
s	GP-15	18.3	<0.46	0.72	1.3	2	0.54	<0.15	<0.018	57.4	37.7	4.9	V.Deg.PHC 69.8%,(FCM)

Initial Calibrator QC check OK Final FCM QC Check OK 93.9 %

Concentration values in mg/kg for soil samples and mg/L for water samples. Soil values uncorrected for moisture or stone content. Fingerprints provide a tentative hydrocarbon identification.

Abbreviations :- FCM = Results calculated using Fundamental Calibration Mode : % = confidence of hydrocarbon identification : (PFM) = Poor Fingerprint Match : (T) = Turbid : (P) = Particulate detected

B = Blank Drift : (SBS)/(LBS) = Site Specific or Library Background Subtraction applied to result : (BO) = Background Organics detected : (OCR) = Outside cal range : (M) = Modifed Result.

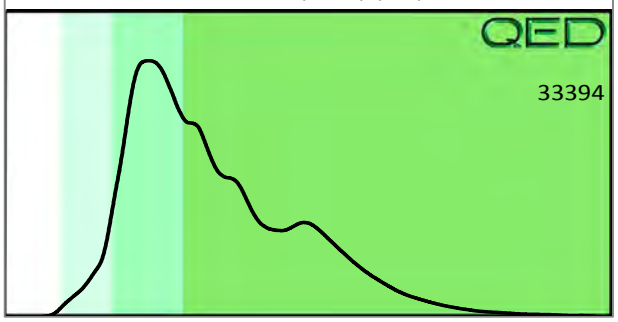
% Ratios estimated aromatic carbon number proportions : HC = Hydrocarbon : PHC = Petroleum HC : FP = Fingerprint only. **Data generated by HC-1 Analyser**

QED Hydrocarbon Fingerprints

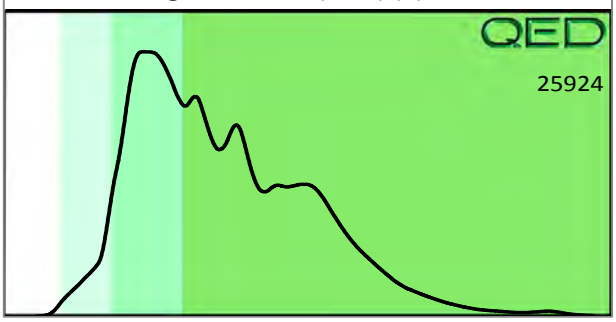
Project: NCDOT-14P. NCDOT U-2412A. ELEMENT 34802.1.1

Thursday, September 28, 2017

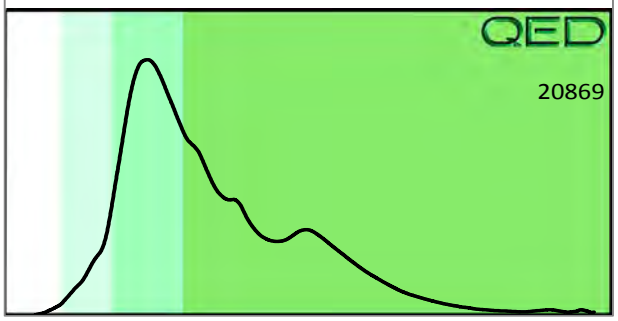
GP-11 : Road Tar 92.6%,(FCM),(BO)



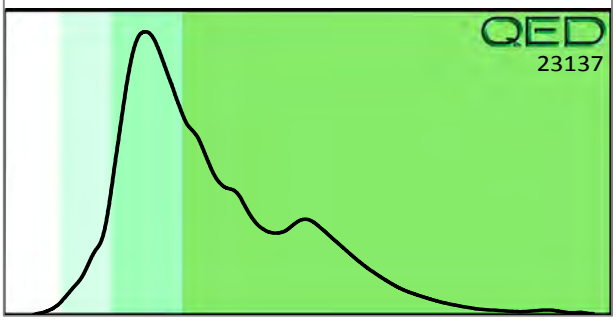
GP-12 : V.Deg.PHC 81.6%,(FCM),(P)



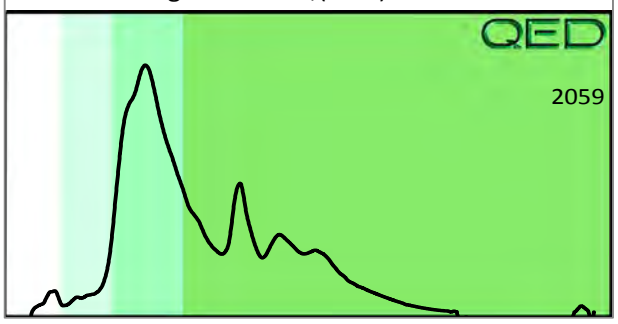
GP-13 : Deg Fuel 90.1%,(FCM),(BO)



GP-14 : Deg Fuel 90.3%,(FCM),(BO)



GP-15 : V.Deg.PHC 69.8%,(FCM)



1 of 2 Projects in Cooler

Client Name:	ECS
Address:	4811 Koger Blvd Greensboro NC 27407
Contact:	Randy Cavallaro
Project Ref.:	NCDOT - HP
Email:	rcavallaro@ecslimited.com
Phone #:	336 856 - 7150
Collected by:	Randy Cavallaro

REDLAB™
RAPID ENVIRONMENTAL DIAGNOSTICS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST FORM

RED Lab, LLC
5598 Marvin K Moss Lane
MARBIONC Bldg, Suite 2003
Wilmington, NC 28409

Each sample will be analyzed for BTEX, GRO, DRO, TPH, PAH total aromatics and BaP

Sample Collection Date/Time	TAT Requested 24 Hour	TAT Requested 48 Hour	Matrix (S/W)	Sample ID	UVF	GC BTEX	Total Wt.	Tare Wt.	Sample Wt.
9/28/17 955		✓		GP-1	✓		59.5	45.1	14.4
1015		✓		GP-2	✓		56.6	44.4	12.2
1030		✓		GP-3	✓		59.6	44.9	14.7
1108		✓		GP-4	✓		57.7	45.3	12.4
~~1115~~		~~✓~~		~~BG-1~~	~~✓~~		58.8	45.5	13.3
1133		✓		GP-5	✓		60.0	45.7	14.3
1155		✓		GP-6	✓		57.9	44.9	13.0
1215		✓		GP-7	✓		57.9	44.9	13.0
~~1225~~		~~✓~~		~~BG-2~~	~~✓~~		58.1	45.2	12.9
1240		✓		GP-8	✓		54.9	45.4	9.5
1255		✓		GP-9	✓		58.0	44.8	13.2
1314		✓		GP-10	✓		57.8	43.8	14.0
1335		✓		GP-11	✓		59.1	45.3	13.8
1405		✓		GP-12	✓		58.6	44.8	13.8
1428		✓		GP-13	✓		58.8	44.6	14.2
1530		✓		GP-14	✓				
1615		✓		GP-15	✓				

Comments: NCDOT U-2412A and Element 34802.1.1 on all Reports + Invoices

Relinquished by	Date/Time	Accepted by	Date/Time
[signature]	FedEx 9/28/17 1700	FedEx Amma Brugh	9-29-17 1400
Relinquished by	Date/Time	Accepted by	Date/Time

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NC Certification No. 402
NC Drinking Water Cert No. 37735
SC Certification No. 99012

Case Narrative

10/11/2017

ECS Carolinas, LLP (Greensboro)
Randy Cavallier
4811 Koger Blvd.
Greensboro, NC 27407

Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Lab Submittal Date: 09/29/2017
Prism Work Order: 7100008

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Angela D. Overcash

VP Laboratory Services

Reviewed By Angela D. Overcash

VP Laboratory Services

Data Qualifiers Key Reference:

A	Sample diluted due to interference from high iron concentration.
D	RPD value outside of the control limits.
E	Estimated concentration above the calibration range
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
L2	LCSD recovery outside of the QC limits. LCS recovery within the limits. No further action taken.
M	Matrix spike outside of the control limits.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

Sample Receipt Summary

10/11/2017

Prism Work Order: 7100008

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
GP-1	7100008-01	Solid	09/26/17	09/29/17
GP-2	7100008-02	Solid	09/26/17	09/29/17
GP-3	7100008-03	Solid	09/26/17	09/29/17
GP-4	7100008-04	Solid	09/26/17	09/29/17
BG-1	7100008-05	Solid	09/26/17	09/29/17
GP-5	7100008-06	Solid	09/26/17	09/29/17
GP-6	7100008-07	Solid	09/26/17	09/29/17
GP-7	7100008-08	Solid	09/26/17	09/29/17
BG-2	7100008-09	Solid	09/26/17	09/29/17
GP-8	7100008-10	Solid	09/26/17	09/29/17
GP-9	7100008-11	Solid	09/26/17	09/29/17
GP-10	7100008-12	Solid	09/26/17	09/29/17
GP-11	7100008-13	Solid	09/26/17	09/29/17
GP-12	7100008-14	Solid	09/26/17	09/29/17
GP-13	7100008-15	Solid	09/26/17	09/29/17
GP-14	7100008-16	Solid	09/26/17	09/29/17
GP-15	7100008-17	Solid	09/26/17	09/29/17

Samples were received in good condition at 2.5 degrees C unless otherwise noted.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

10/11/2017

Prism Work Order: 7100008

Prism ID	Client ID	Parameter	Method	Result		Units
7100008-01	GP-1	Arsenic	*6010D	1.8		mg/kg dry
7100008-01	GP-1	Barium	*6010D	120		mg/kg dry
7100008-01	GP-1	Chromium	*6010D	73		mg/kg dry
7100008-01	GP-1	Lead	*6010D	6.3		mg/kg dry
7100008-01	GP-1	Acetone	8260B	0.068		mg/kg dry
7100008-02	GP-2	Barium	*6010D	410		mg/kg dry
7100008-02	GP-2	Chromium	*6010D	41		mg/kg dry
7100008-02	GP-2	Lead	*6010D	2.4		mg/kg dry
7100008-03	GP-3	Arsenic	*6010D	1.1		mg/kg dry
7100008-03	GP-3	Barium	*6010D	69		mg/kg dry
7100008-03	GP-3	Chromium	*6010D	23		mg/kg dry
7100008-03	GP-3	Lead	*6010D	10		mg/kg dry
7100008-03	GP-3	Acetone	8260B	0.077		mg/kg dry
7100008-04	GP-4	Arsenic	*6010D	0.50		mg/kg dry
7100008-04	GP-4	Barium	*6010D	81		mg/kg dry
7100008-04	GP-4	Chromium	*6010D	150		mg/kg dry
7100008-04	GP-4	Lead	*6010D	2.9		mg/kg dry
7100008-05	BG-1	Mercury	*7471B	0.049		mg/kg dry
7100008-05	BG-1	Arsenic	*6010D	1.7		mg/kg dry
7100008-05	BG-1	Barium	*6010D	92		mg/kg dry
7100008-05	BG-1	Chromium	*6010D	81		mg/kg dry
7100008-05	BG-1	Lead	*6010D	22		mg/kg dry
7100008-06	GP-5	Arsenic	*6010D	0.46		mg/kg dry
7100008-06	GP-5	Barium	*6010D	160		mg/kg dry
7100008-06	GP-5	Chromium	*6010D	17		mg/kg dry
7100008-06	GP-5	Lead	*6010D	3.1		mg/kg dry
7100008-06	GP-5	Acetone	8260B	0.13		mg/kg dry
7100008-06	GP-5	Naphthalene	8260B	0.019		mg/kg dry
7100008-07	GP-6	Arsenic	*6010D	13	A	mg/kg dry
7100008-07	GP-6	Barium	*6010D	53		mg/kg dry
7100008-07	GP-6	Chromium	*6010D	140	A	mg/kg dry
7100008-07	GP-6	Lead	*6010D	11	A	mg/kg dry
7100008-07	GP-6	Acetone	8260B	0.14		mg/kg dry
7100008-08	GP-7	Arsenic	*6010D	0.47		mg/kg dry
7100008-08	GP-7	Barium	*6010D	73		mg/kg dry
7100008-08	GP-7	Chromium	*6010D	14		mg/kg dry
7100008-08	GP-7	Lead	*6010D	2.4		mg/kg dry
7100008-08	GP-7	Acetone	8260B	0.079		mg/kg dry
7100008-08	GP-7	Methylene Chloride	8260B	0.0038	J	mg/kg dry
7100008-09	BG-2	Arsenic	*6010D	0.41		mg/kg dry
7100008-09	BG-2	Barium	*6010D	110		mg/kg dry
7100008-09	BG-2	Chromium	*6010D	130	E	mg/kg dry
7100008-09	BG-2	Lead	*6010D	2.6		mg/kg dry
7100008-10	GP-8	Arsenic	*6010D	1.7		mg/kg dry

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

10/11/2017

Prism Work Order: 7100008

Prism ID	Client ID	Parameter	Method	Result		Units
7100008-10	GP-8	Barium	*6010D	84		mg/kg dry
7100008-10	GP-8	Chromium	*6010D	39		mg/kg dry
7100008-10	GP-8	Lead	*6010D	5.3		mg/kg dry
7100008-10	GP-8	Acetone	8260B	0.14		mg/kg dry
7100008-11	GP-9	Mercury	*7471B	0.026		mg/kg dry
7100008-11	GP-9	Arsenic	*6010D	1.7		mg/kg dry
7100008-11	GP-9	Barium	*6010D	88		mg/kg dry
7100008-11	GP-9	Chromium	*6010D	64		mg/kg dry
7100008-11	GP-9	Lead	*6010D	8.5		mg/kg dry
7100008-11	GP-9	Acetone	8260B	0.056		mg/kg dry
7100008-12	GP-10	Mercury	*7471B	0.37		mg/kg dry
7100008-12	GP-10	Arsenic	*6010D	6.9		mg/kg dry
7100008-12	GP-10	Barium	*6010D	110		mg/kg dry
7100008-12	GP-10	Chromium	*6010D	93		mg/kg dry
7100008-12	GP-10	Lead	*6010D	77		mg/kg dry
7100008-12	GP-10	Acetone	8260B	0.047	J	mg/kg dry
7100008-13	GP-11	Arsenic	*6010D	4.6		mg/kg dry
7100008-13	GP-11	Barium	*6010D	68		mg/kg dry
7100008-13	GP-11	Chromium	*6010D	18		mg/kg dry
7100008-13	GP-11	Lead	*6010D	27		mg/kg dry
7100008-13	GP-11	Acetone	8260B	0.10		mg/kg dry
7100008-14	GP-12	Mercury	*7471B	0.055		mg/kg dry
7100008-14	GP-12	Arsenic	*6010D	3.0		mg/kg dry
7100008-14	GP-12	Barium	*6010D	43		mg/kg dry
7100008-14	GP-12	Chromium	*6010D	43		mg/kg dry
7100008-14	GP-12	Lead	*6010D	29		mg/kg dry
7100008-14	GP-12	Acetone	8260B	0.12		mg/kg dry
7100008-14	GP-12	Chloromethane	8260B	0.014		mg/kg dry
7100008-15	GP-13	Mercury	*7471B	0.026		mg/kg dry
7100008-15	GP-13	Arsenic	*6010D	1.0		mg/kg dry
7100008-15	GP-13	Barium	*6010D	57		mg/kg dry
7100008-15	GP-13	Chromium	*6010D	39		mg/kg dry
7100008-15	GP-13	Lead	*6010D	5.9		mg/kg dry
7100008-15	GP-13	Acetone	8260B	0.033	J	mg/kg dry
7100008-16	GP-14	Mercury	*7471B	0.055		mg/kg dry
7100008-16	GP-14	Arsenic	*6010D	2.3		mg/kg dry
7100008-16	GP-14	Barium	*6010D	95		mg/kg dry
7100008-16	GP-14	Chromium	*6010D	48		mg/kg dry
7100008-16	GP-14	Lead	*6010D	27		mg/kg dry
7100008-16	GP-14	Acetone	8260B	0.086		mg/kg dry
7100008-17	GP-15	Arsenic	*6010D	3.2		mg/kg dry
7100008-17	GP-15	Barium	*6010D	62		mg/kg dry
7100008-17	GP-15	Chromium	*6010D	210		mg/kg dry
7100008-17	GP-15	Lead	*6010D	12		mg/kg dry
7100008-17	GP-15	Acetone	8260B	0.039	J	mg/kg dry

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ECS Carolinas, LLP (Greensboro)
Attn: Randy Cavallier
4811 Koger Blvd.
Greensboro, NC 27407

Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-1
Prism Sample ID: 7100008-01
Prism Work Order: 7100008
Time Collected: 09/26/17 09:55
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**79.8**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	BRL	mg/kg dry	0.024	0.0022	1	*7471B	10/6/17 12:17	JAB	P7J0098
Arsenic	**1.8**	**mg/kg dry**	**0.26**	**0.031**	**1**	***6010D**	**10/4/17 18:09**	**JAB**	**P7J0025**
Barium	**120**	**mg/kg dry**	**0.51**	**0.075**	**1**	***6010D**	**10/4/17 18:09**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.26	0.0069	1	*6010D	10/4/17 18:09	JAB	P7J0025
Chromium	**73**	**mg/kg dry**	**0.26**	**0.043**	**1**	***6010D**	**10/4/17 18:09**	**JAB**	**P7J0025**
Lead	**6.3**	**mg/kg dry**	**0.26**	**0.048**	**1**	***6010D**	**10/4/17 18:09**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.51	0.12	1	*6010D	10/4/17 18:09	JAB	P7J0025
Silver	BRL	mg/kg dry	0.26	0.0064	1	*6010D	10/4/17 18:09	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0046	0.00038	1	8260B	10/5/17 15:29	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 15:29	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0046	0.00031	1	8260B	10/5/17 15:29	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0046	0.00041	1	8260B	10/5/17 15:29	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0046	0.00013	1	8260B	10/5/17 15:29	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0046	0.00020	1	8260B	10/5/17 15:29	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0046	0.00025	1	8260B	10/5/17 15:29	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0046	0.00026	1	8260B	10/5/17 15:29	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0046	0.00059	1	8260B	10/5/17 15:29	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0046	0.00034	1	8260B	10/5/17 15:29	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0046	0.00035	1	8260B	10/5/17 15:29	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0046	0.00019	1	8260B	10/5/17 15:29	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 15:29	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0046	0.00028	1	8260B	10/5/17 15:29	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0046	0.00029	1	8260B	10/5/17 15:29	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0046	0.00035	1	8260B	10/5/17 15:29	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0046	0.00031	1	8260B	10/5/17 15:29	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0046	0.00023	1	8260B	10/5/17 15:29	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0046	0.00018	1	8260B	10/5/17 15:29	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 15:29	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0046	0.00024	1	8260B	10/5/17 15:29	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0046	0.00028	1	8260B	10/5/17 15:29	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 15:29	ANG	P7J0085
Acetone	**0.068**	**mg/kg dry**	**0.046**	**0.0011**	**1**	**8260B**	**10/5/17 15:29**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0028	0.00027	1	8260B	10/5/17 15:29	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0046	0.00039	1	8260B	10/5/17 15:29	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0046	0.00025	1	8260B	10/5/17 15:29	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0046	0.00026	1	8260B	10/5/17 15:29	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0046	0.00053	1	8260B	10/5/17 15:29	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.0092	0.00057	1	8260B	10/5/17 15:29	ANG	P7J0085

ECS Carolinas, LLP (Greensboro)
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Greensboro, NC 27407

Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-1
Prism Sample ID: 7100008-01
Prism Work Order: 7100008
Time Collected: 09/26/17 09:55
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0046	0.00023	1	8260B	10/5/17 15:29	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0046	0.00024	1	8260B	10/5/17 15:29	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.0092	0.00039	1	8260B	10/5/17 15:29	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0046	0.00033	1	8260B	10/5/17 15:29	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0046	0.00031	1	8260B	10/5/17 15:29	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0046	0.00020	1	8260B	10/5/17 15:29	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0046	0.00016	1	8260B	10/5/17 15:29	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0046	0.00019	1	8260B	10/5/17 15:29	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0046	0.00021	1	8260B	10/5/17 15:29	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0046	0.00018	1	8260B	10/5/17 15:29	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0046	0.00019	1	8260B	10/5/17 15:29	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0046	0.00027	1	8260B	10/5/17 15:29	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.0092	0.00043	1	8260B	10/5/17 15:29	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.046	0.00042	1	8260B	10/5/17 15:29	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.092	0.00042	1	8260B	10/5/17 15:29	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.046	0.00039	1	8260B	10/5/17 15:29	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.0092	0.00026	1	8260B	10/5/17 15:29	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0092	0.00015	1	8260B	10/5/17 15:29	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.0092	0.00015	1	8260B	10/5/17 15:29	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0046	0.00024	1	8260B	10/5/17 15:29	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0046	0.00027	1	8260B	10/5/17 15:29	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0046	0.00019	1	8260B	10/5/17 15:29	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 15:29	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0046	0.00028	1	8260B	10/5/17 15:29	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0046	0.00016	1	8260B	10/5/17 15:29	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 15:29	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0046	0.00027	1	8260B	10/5/17 15:29	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0046	0.00028	1	8260B	10/5/17 15:29	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0046	0.00024	1	8260B	10/5/17 15:29	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0046	0.00030	1	8260B	10/5/17 15:29	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0046	0.00030	1	8260B	10/5/17 15:29	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.023	0.00063	1	8260B	10/5/17 15:29	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 15:29	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.014	0.00087	1	8260B	10/5/17 15:29	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*106 %*	*70-130*
Dibromofluoromethane	*102 %*	*84-123*
Toluene-d8	*116 %*	*76-129*

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-2
Prism Sample ID: 7100008-02
Prism Work Order: 7100008
Time Collected: 09/26/17 10:15
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**74.4**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	BRL	mg/kg dry	0.027	0.0026	1	*7471B	10/6/17 12:22	JAB	P7J0098
Arsenic	BRL	mg/kg dry	0.29	0.035	1	*6010D	10/4/17 18:17	JAB	P7J0025
Barium	**410**	**mg/kg dry**	**5.8**	**0.85**	**10**	***6010D**	**10/4/17 13:56**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.29	0.0078	1	*6010D	10/4/17 18:17	JAB	P7J0025
Chromium	**41**	**mg/kg dry**	**0.29**	**0.049**	**1**	***6010D**	**10/4/17 18:17**	**JAB**	**P7J0025**
Lead	**2.4**	**mg/kg dry**	**0.29**	**0.054**	**1**	***6010D**	**10/4/17 18:17**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.58	0.14	1	*6010D	10/4/17 18:17	JAB	P7J0025
Silver	BRL	mg/kg dry	0.29	0.0072	1	*6010D	10/4/17 18:17	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00039	1	8260B	10/5/17 15:57	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	10/5/17 15:57	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00032	1	8260B	10/5/17 15:57	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0047	0.00042	1	8260B	10/5/17 15:57	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0047	0.00013	1	8260B	10/5/17 15:57	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00021	1	8260B	10/5/17 15:57	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00026	1	8260B	10/5/17 15:57	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	10/5/17 15:57	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0047	0.00060	1	8260B	10/5/17 15:57	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	10/5/17 15:57	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00036	1	8260B	10/5/17 15:57	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	10/5/17 15:57	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	10/5/17 15:57	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 15:57	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00029	1	8260B	10/5/17 15:57	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00036	1	8260B	10/5/17 15:57	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00031	1	8260B	10/5/17 15:57	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0047	0.00024	1	8260B	10/5/17 15:57	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00019	1	8260B	10/5/17 15:57	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00022	1	8260B	10/5/17 15:57	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	10/5/17 15:57	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 15:57	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	10/5/17 15:57	ANG	P7J0085
Acetone	BRL	mg/kg dry	0.047	0.0012	1	8260B	10/5/17 15:57	ANG	P7J0085
Benzene	BRL	mg/kg dry	0.0028	0.00027	1	8260B	10/5/17 15:57	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0047	0.00039	1	8260B	10/5/17 15:57	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	10/5/17 15:57	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	10/5/17 15:57	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0047	0.00054	1	8260B	10/5/17 15:57	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.0094	0.00058	1	8260B	10/5/17 15:57	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-2
Prism Sample ID: 7100008-02
Prism Work Order: 7100008
Time Collected: 09/26/17 10:15
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0047	0.00024	1	8260B	10/5/17 15:57	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	10/5/17 15:57	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.0094	0.00039	1	8260B	10/5/17 15:57	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0047	0.00034	1	8260B	10/5/17 15:57	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0047	0.00032	1	8260B	10/5/17 15:57	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00020	1	8260B	10/5/17 15:57	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	10/5/17 15:57	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	10/5/17 15:57	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0047	0.00021	1	8260B	10/5/17 15:57	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	10/5/17 15:57	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0047	0.00019	1	8260B	10/5/17 15:57	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 15:57	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.0094	0.00044	1	8260B	10/5/17 15:57	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.047	0.00043	1	8260B	10/5/17 15:57	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.094	0.00043	1	8260B	10/5/17 15:57	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.047	0.00040	1	8260B	10/5/17 15:57	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.0094	0.00027	1	8260B	10/5/17 15:57	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0094	0.00015	1	8260B	10/5/17 15:57	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.0094	0.00015	1	8260B	10/5/17 15:57	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	10/5/17 15:57	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 15:57	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0047	0.00019	1	8260B	10/5/17 15:57	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	10/5/17 15:57	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 15:57	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	10/5/17 15:57	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	10/5/17 15:57	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	10/5/17 15:57	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 15:57	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	10/5/17 15:57	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0047	0.00031	1	8260B	10/5/17 15:57	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0047	0.00030	1	8260B	10/5/17 15:57	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.024	0.00065	1	8260B	10/5/17 15:57	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	10/5/17 15:57	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.014	0.00088	1	8260B	10/5/17 15:57	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*70-130*
Dibromofluoromethane	*102 %*	*84-123*
Toluene-d8	*115 %*	*76-129*

ECS Carolinas, LLP (Greensboro)
Attn: Randy Cavallier
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Greensboro, NC 27407

Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-3
Prism Sample ID: 7100008-03
Prism Work Order: 7100008
Time Collected: 09/26/17 10:30
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**78.9**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	BRL	mg/kg dry	0.023	0.0022	1	*7471B	10/6/17 12:26	JAB	P7J0098
Arsenic	**1.1**	**mg/kg dry**	**0.27**	**0.033**	**1**	***6010D**	**10/4/17 18:26**	**JAB**	**P7J0025**
Barium	**69**	**mg/kg dry**	**0.54**	**0.079**	**1**	***6010D**	**10/4/17 18:26**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.27	0.0072	1	*6010D	10/4/17 18:26	JAB	P7J0025
Chromium	**23**	**mg/kg dry**	**0.27**	**0.045**	**1**	***6010D**	**10/4/17 18:26**	**JAB**	**P7J0025**
Lead	**10**	**mg/kg dry**	**0.27**	**0.050**	**1**	***6010D**	**10/4/17 18:26**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.54	0.13	1	*6010D	10/4/17 18:26	JAB	P7J0025
Silver	BRL	mg/kg dry	0.27	0.0067	1	*6010D	10/4/17 18:26	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0043	0.00035	1	8260B	10/5/17 16:24	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0043	0.00021	1	8260B	10/5/17 16:24	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0043	0.00029	1	8260B	10/5/17 16:24	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0043	0.00038	1	8260B	10/5/17 16:24	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0043	0.00012	1	8260B	10/5/17 16:24	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0043	0.00019	1	8260B	10/5/17 16:24	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0043	0.00024	1	8260B	10/5/17 16:24	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0043	0.00024	1	8260B	10/5/17 16:24	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0043	0.00055	1	8260B	10/5/17 16:24	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0043	0.00032	1	8260B	10/5/17 16:24	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0043	0.00033	1	8260B	10/5/17 16:24	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0043	0.00017	1	8260B	10/5/17 16:24	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.00020	1	8260B	10/5/17 16:24	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0043	0.00026	1	8260B	10/5/17 16:24	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0043	0.00027	1	8260B	10/5/17 16:24	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0043	0.00033	1	8260B	10/5/17 16:24	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.00029	1	8260B	10/5/17 16:24	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0043	0.00022	1	8260B	10/5/17 16:24	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.00017	1	8260B	10/5/17 16:24	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0043	0.00021	1	8260B	10/5/17 16:24	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0043	0.00022	1	8260B	10/5/17 16:24	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	10/5/17 16:24	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0043	0.00021	1	8260B	10/5/17 16:24	ANG	P7J0085
Acetone	**0.077**	**mg/kg dry**	**0.043**	**0.0011**	**1**	**8260B**	**10/5/17 16:24**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0026	0.00025	1	8260B	10/5/17 16:24	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0043	0.00036	1	8260B	10/5/17 16:24	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0043	0.00024	1	8260B	10/5/17 16:24	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0043	0.00024	1	8260B	10/5/17 16:24	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0043	0.00049	1	8260B	10/5/17 16:24	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.0086	0.00053	1	8260B	10/5/17 16:24	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-3
Prism Sample ID: 7100008-03
Prism Work Order: 7100008
Time Collected: 09/26/17 10:30
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0043	0.00021	1	8260B	10/5/17 16:24	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0043	0.00023	1	8260B	10/5/17 16:24	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.0086	0.00036	1	8260B	10/5/17 16:24	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0043	0.00031	1	8260B	10/5/17 16:24	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0043	0.00029	1	8260B	10/5/17 16:24	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0043	0.00018	1	8260B	10/5/17 16:24	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0043	0.00014	1	8260B	10/5/17 16:24	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0043	0.00018	1	8260B	10/5/17 16:24	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0043	0.00020	1	8260B	10/5/17 16:24	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0043	0.00017	1	8260B	10/5/17 16:24	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0043	0.00018	1	8260B	10/5/17 16:24	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0043	0.00026	1	8260B	10/5/17 16:24	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.0086	0.00040	1	8260B	10/5/17 16:24	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.043	0.00039	1	8260B	10/5/17 16:24	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.086	0.00039	1	8260B	10/5/17 16:24	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.043	0.00037	1	8260B	10/5/17 16:24	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.0086	0.00024	1	8260B	10/5/17 16:24	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0086	0.00014	1	8260B	10/5/17 16:24	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.0086	0.00014	1	8260B	10/5/17 16:24	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0043	0.00022	1	8260B	10/5/17 16:24	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	10/5/17 16:24	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0043	0.00018	1	8260B	10/5/17 16:24	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0043	0.00021	1	8260B	10/5/17 16:24	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	10/5/17 16:24	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0043	0.00015	1	8260B	10/5/17 16:24	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0043	0.00021	1	8260B	10/5/17 16:24	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0043	0.00025	1	8260B	10/5/17 16:24	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	10/5/17 16:24	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0043	0.00023	1	8260B	10/5/17 16:24	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0043	0.00028	1	8260B	10/5/17 16:24	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0043	0.00028	1	8260B	10/5/17 16:24	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.022	0.00059	1	8260B	10/5/17 16:24	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0043	0.00021	1	8260B	10/5/17 16:24	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.013	0.00081	1	8260B	10/5/17 16:24	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*70-130*
Dibromofluoromethane	*102 %*	*84-123*
Toluene-d8	*117 %*	*76-129*

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-4
Prism Sample ID: 7100008-04
Prism Work Order: 7100008
Time Collected: 09/26/17 11:08
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**73.8**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	BRL	mg/kg dry	0.027	0.0025	1	*7471B	10/6/17 12:31	JAB	P7J0098
Arsenic	**0.50**	**mg/kg dry**	**0.33**	**0.040**	**1**	***6010D**	**10/4/17 18:34**	**JAB**	**P7J0025**
Barium	**81**	**mg/kg dry**	**0.66**	**0.096**	**1**	***6010D**	**10/4/17 18:34**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.33	0.0088	1	*6010D	10/4/17 18:34	JAB	P7J0025
Chromium	**150**	**mg/kg dry**	**0.33**	**0.055**	**1**	***6010D**	**10/4/17 18:34**	**JAB**	**P7J0025**
Lead	**2.9**	**mg/kg dry**	**0.33**	**0.061**	**1**	***6010D**	**10/4/17 18:34**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.66	0.16	1	*6010D	10/4/17 18:34	JAB	P7J0025
Silver	BRL	mg/kg dry	0.33	0.0082	1	*6010D	10/4/17 18:34	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0055	0.00045	1	8260B	10/5/17 16:52	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0055	0.00027	1	8260B	10/5/17 16:52	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0055	0.00037	1	8260B	10/5/17 16:52	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0055	0.00049	1	8260B	10/5/17 16:52	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0055	0.00015	1	8260B	10/5/17 16:52	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00024	1	8260B	10/5/17 16:52	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00030	1	8260B	10/5/17 16:52	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0055	0.00031	1	8260B	10/5/17 16:52	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0055	0.00070	1	8260B	10/5/17 16:52	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0055	0.00041	1	8260B	10/5/17 16:52	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0055	0.00042	1	8260B	10/5/17 16:52	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0055	0.00022	1	8260B	10/5/17 16:52	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00026	1	8260B	10/5/17 16:52	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 16:52	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0055	0.00034	1	8260B	10/5/17 16:52	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0055	0.00042	1	8260B	10/5/17 16:52	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00036	1	8260B	10/5/17 16:52	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0055	0.00028	1	8260B	10/5/17 16:52	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00022	1	8260B	10/5/17 16:52	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0055	0.00026	1	8260B	10/5/17 16:52	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0055	0.00028	1	8260B	10/5/17 16:52	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 16:52	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0055	0.00027	1	8260B	10/5/17 16:52	ANG	P7J0085
Acetone	BRL	mg/kg dry	0.055	0.0013	1	8260B	10/5/17 16:52	ANG	P7J0085
Benzene	BRL	mg/kg dry	0.0033	0.00032	1	8260B	10/5/17 16:52	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0055	0.00046	1	8260B	10/5/17 16:52	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0055	0.00030	1	8260B	10/5/17 16:52	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0055	0.00031	1	8260B	10/5/17 16:52	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0055	0.00063	1	8260B	10/5/17 16:52	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.011	0.00068	1	8260B	10/5/17 16:52	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-4
Prism Sample ID: 7100008-04
Prism Work Order: 7100008
Time Collected: 09/26/17 11:08
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0055	0.00027	1	8260B	10/5/17 16:52	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0055	0.00029	1	8260B	10/5/17 16:52	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.011	0.00046	1	8260B	10/5/17 16:52	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0055	0.00040	1	8260B	10/5/17 16:52	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0055	0.00037	1	8260B	10/5/17 16:52	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00023	1	8260B	10/5/17 16:52	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00019	1	8260B	10/5/17 16:52	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0055	0.00023	1	8260B	10/5/17 16:52	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0055	0.00025	1	8260B	10/5/17 16:52	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0055	0.00021	1	8260B	10/5/17 16:52	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0055	0.00022	1	8260B	10/5/17 16:52	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 16:52	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00051	1	8260B	10/5/17 16:52	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.055	0.00050	1	8260B	10/5/17 16:52	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00050	1	8260B	10/5/17 16:52	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.055	0.00047	1	8260B	10/5/17 16:52	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.011	0.00031	1	8260B	10/5/17 16:52	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00018	1	8260B	10/5/17 16:52	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.011	0.00017	1	8260B	10/5/17 16:52	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0055	0.00028	1	8260B	10/5/17 16:52	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 16:52	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0055	0.00023	1	8260B	10/5/17 16:52	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0055	0.00027	1	8260B	10/5/17 16:52	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 16:52	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0055	0.00019	1	8260B	10/5/17 16:52	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0055	0.00026	1	8260B	10/5/17 16:52	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0055	0.00032	1	8260B	10/5/17 16:52	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 16:52	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00029	1	8260B	10/5/17 16:52	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0055	0.00036	1	8260B	10/5/17 16:52	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0055	0.00036	1	8260B	10/5/17 16:52	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.028	0.00075	1	8260B	10/5/17 16:52	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0055	0.00027	1	8260B	10/5/17 16:52	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.017	0.0010	1	8260B	10/5/17 16:52	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*102 %*	*84-123*
Toluene-d8	*115 %*	*76-129*

ECS Carolinas, LLP (Greensboro)
Attn: Randy Cavallier
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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: BG-1
Prism Sample ID: 7100008-05
Prism Work Order: 7100008
Time Collected: 09/26/17 11:15
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**83.2**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	**0.049**	**mg/kg dry**	**0.024**	**0.0022**	**1**	***7471B**	**10/6/17 12:35**	**JAB**	**P7J0098**
Arsenic	**1.7**	**mg/kg dry**	**0.26**	**0.032**	**1**	***6010D**	**10/4/17 18:44**	**JAB**	**P7J0025**
Barium	**92**	**mg/kg dry**	**0.53**	**0.077**	**1**	***6010D**	**10/4/17 18:44**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.26	0.0071	1	*6010D	10/4/17 18:44	JAB	P7J0025
Chromium	**81**	**mg/kg dry**	**0.26**	**0.044**	**1**	***6010D**	**10/4/17 18:44**	**JAB**	**P7J0025**
Lead	**22**	**mg/kg dry**	**0.26**	**0.049**	**1**	***6010D**	**10/4/17 18:44**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.53	0.13	1	*6010D	10/4/17 18:44	JAB	P7J0025
Silver	BRL	mg/kg dry	0.26	0.0066	1	*6010D	10/4/17 18:44	JAB	P7J0025

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-5
Prism Sample ID: 7100008-06
Prism Work Order: 7100008
Time Collected: 09/26/17 11:33
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**84.4**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	BRL	mg/kg dry	0.025	0.0024	1	*7471B	10/6/17 12:40	JAB	P7J0098
Arsenic	**0.46**	**mg/kg dry**	**0.27**	**0.033**	**1**	***6010D**	**10/4/17 18:53**	**JAB**	**P7J0025**
Barium	**160**	**mg/kg dry**	**5.4**	**0.79**	**10**	***6010D**	**10/4/17 18:53**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.27	0.0072	1	*6010D	10/4/17 18:53	JAB	P7J0025
Chromium	**17**	**mg/kg dry**	**0.27**	**0.045**	**1**	***6010D**	**10/4/17 18:53**	**JAB**	**P7J0025**
Lead	**3.1**	**mg/kg dry**	**0.27**	**0.050**	**1**	***6010D**	**10/4/17 18:53**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.54	0.13	1	*6010D	10/4/17 18:53	JAB	P7J0025
Silver	BRL	mg/kg dry	0.27	0.0067	1	*6010D	10/4/17 18:53	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0055	0.00045	1	8260B	10/5/17 17:19	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0055	0.00027	1	8260B	10/5/17 17:19	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0055	0.00037	1	8260B	10/5/17 17:19	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0055	0.00049	1	8260B	10/5/17 17:19	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0055	0.00015	1	8260B	10/5/17 17:19	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00024	1	8260B	10/5/17 17:19	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00030	1	8260B	10/5/17 17:19	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0055	0.00031	1	8260B	10/5/17 17:19	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0055	0.00070	1	8260B	10/5/17 17:19	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0055	0.00041	1	8260B	10/5/17 17:19	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0055	0.00042	1	8260B	10/5/17 17:19	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0055	0.00022	1	8260B	10/5/17 17:19	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00026	1	8260B	10/5/17 17:19	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 17:19	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0055	0.00034	1	8260B	10/5/17 17:19	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0055	0.00042	1	8260B	10/5/17 17:19	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00037	1	8260B	10/5/17 17:19	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0055	0.00028	1	8260B	10/5/17 17:19	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00022	1	8260B	10/5/17 17:19	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0055	0.00026	1	8260B	10/5/17 17:19	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0055	0.00028	1	8260B	10/5/17 17:19	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 17:19	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0055	0.00027	1	8260B	10/5/17 17:19	ANG	P7J0085
Acetone	**0.13**	**mg/kg dry**	**0.055**	**0.0013**	**1**	**8260B**	**10/5/17 17:19**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0033	0.00032	1	8260B	10/5/17 17:19	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0055	0.00046	1	8260B	10/5/17 17:19	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0055	0.00030	1	8260B	10/5/17 17:19	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0055	0.00031	1	8260B	10/5/17 17:19	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0055	0.00063	1	8260B	10/5/17 17:19	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.011	0.00068	1	8260B	10/5/17 17:19	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-5
Prism Sample ID: 7100008-06
Prism Work Order: 7100008
Time Collected: 09/26/17 11:33
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0055	0.00027	1	8260B	10/5/17 17:19	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0055	0.00029	1	8260B	10/5/17 17:19	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.011	0.00046	1	8260B	10/5/17 17:19	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0055	0.00040	1	8260B	10/5/17 17:19	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0055	0.00037	1	8260B	10/5/17 17:19	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00023	1	8260B	10/5/17 17:19	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00019	1	8260B	10/5/17 17:19	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0055	0.00023	1	8260B	10/5/17 17:19	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0055	0.00025	1	8260B	10/5/17 17:19	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0055	0.00021	1	8260B	10/5/17 17:19	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0055	0.00023	1	8260B	10/5/17 17:19	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 17:19	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00051	1	8260B	10/5/17 17:19	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.055	0.00050	1	8260B	10/5/17 17:19	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00050	1	8260B	10/5/17 17:19	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.055	0.00047	1	8260B	10/5/17 17:19	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.011	0.00031	1	8260B	10/5/17 17:19	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00018	1	8260B	10/5/17 17:19	ANG	P7J0085
Naphthalene	**0.019**	**mg/kg dry**	**0.011**	**0.00017**	**1**	**8260B**	**10/5/17 17:19**	**ANG**	**P7J0085**
n-Butylbenzene	BRL	mg/kg dry	0.0055	0.00028	1	8260B	10/5/17 17:19	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 17:19	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0055	0.00023	1	8260B	10/5/17 17:19	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0055	0.00027	1	8260B	10/5/17 17:19	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 17:19	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0055	0.00019	1	8260B	10/5/17 17:19	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0055	0.00026	1	8260B	10/5/17 17:19	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0055	0.00032	1	8260B	10/5/17 17:19	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	10/5/17 17:19	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00029	1	8260B	10/5/17 17:19	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0055	0.00036	1	8260B	10/5/17 17:19	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0055	0.00036	1	8260B	10/5/17 17:19	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.028	0.00076	1	8260B	10/5/17 17:19	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0055	0.00027	1	8260B	10/5/17 17:19	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.017	0.0010	1	8260B	10/5/17 17:19	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*102 %*	*84-123*
Toluene-d8	*117 %*	*76-129*

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-6
Prism Sample ID: 7100008-07
Prism Work Order: 7100008
Time Collected: 09/26/17 11:55
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**79.7**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	BRL	mg/kg dry	0.025	0.0024	1	*7471B	10/6/17 13:12	JAB	P7J0099
Arsenic	**13 A**	**mg/kg dry**	**0.81**	**0.099**	**3**	***6010D**	**10/6/17 7:34**	**JAB**	**P7J0025**
Barium	**53**	**mg/kg dry**	**0.54**	**0.079**	**1**	***6010D**	**10/4/17 19:01**	**JAB**	**P7J0025**
Cadmium	BRL A	mg/kg dry	0.81	0.022	3	*6010D	10/6/17 7:34	JAB	P7J0025
Chromium	**140 A**	**mg/kg dry**	**0.81**	**0.14**	**3**	***6010D**	**10/6/17 7:34**	**JAB**	**P7J0025**
Lead	**11 A**	**mg/kg dry**	**0.81**	**0.15**	**3**	***6010D**	**10/6/17 7:34**	**JAB**	**P7J0025**
Selenium	BRL A	mg/kg dry	1.6	0.38	3	*6010D	10/6/17 7:34	JAB	P7J0025
Silver	BRL A	mg/kg dry	0.81	0.020	3	*6010D	10/6/17 7:34	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0044	0.00036	1	8260B	10/5/17 17:47	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 17:47	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0044	0.00030	1	8260B	10/5/17 17:47	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0044	0.00039	1	8260B	10/5/17 17:47	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0044	0.00012	1	8260B	10/5/17 17:47	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0044	0.00019	1	8260B	10/5/17 17:47	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0044	0.00024	1	8260B	10/5/17 17:47	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0044	0.00025	1	8260B	10/5/17 17:47	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0044	0.00056	1	8260B	10/5/17 17:47	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0044	0.00033	1	8260B	10/5/17 17:47	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0044	0.00034	1	8260B	10/5/17 17:47	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0044	0.00018	1	8260B	10/5/17 17:47	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 17:47	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 17:47	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0044	0.00027	1	8260B	10/5/17 17:47	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0044	0.00033	1	8260B	10/5/17 17:47	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0044	0.00029	1	8260B	10/5/17 17:47	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0044	0.00022	1	8260B	10/5/17 17:47	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0044	0.00017	1	8260B	10/5/17 17:47	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 17:47	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0044	0.00023	1	8260B	10/5/17 17:47	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 17:47	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 17:47	ANG	P7J0085
Acetone	**0.14**	**mg/kg dry**	**0.044**	**0.0011**	**1**	**8260B**	**10/5/17 17:47**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0026	0.00026	1	8260B	10/5/17 17:47	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0044	0.00037	1	8260B	10/5/17 17:47	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0044	0.00024	1	8260B	10/5/17 17:47	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0044	0.00025	1	8260B	10/5/17 17:47	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0044	0.00050	1	8260B	10/5/17 17:47	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.0088	0.00054	1	8260B	10/5/17 17:47	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-6
Prism Sample ID: 7100008-07
Prism Work Order: 7100008
Time Collected: 09/26/17 11:55
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0044	0.00022	1	8260B	10/5/17 17:47	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0044	0.00023	1	8260B	10/5/17 17:47	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.0088	0.00037	1	8260B	10/5/17 17:47	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0044	0.00032	1	8260B	10/5/17 17:47	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0044	0.00030	1	8260B	10/5/17 17:47	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0044	0.00019	1	8260B	10/5/17 17:47	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0044	0.00015	1	8260B	10/5/17 17:47	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0044	0.00018	1	8260B	10/5/17 17:47	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0044	0.00020	1	8260B	10/5/17 17:47	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0044	0.00017	1	8260B	10/5/17 17:47	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0044	0.00018	1	8260B	10/5/17 17:47	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 17:47	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.0088	0.00041	1	8260B	10/5/17 17:47	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.044	0.00040	1	8260B	10/5/17 17:47	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.088	0.00040	1	8260B	10/5/17 17:47	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.044	0.00037	1	8260B	10/5/17 17:47	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.0088	0.00025	1	8260B	10/5/17 17:47	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0088	0.00014	1	8260B	10/5/17 17:47	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.0088	0.00014	1	8260B	10/5/17 17:47	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0044	0.00022	1	8260B	10/5/17 17:47	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 17:47	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0044	0.00018	1	8260B	10/5/17 17:47	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 17:47	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 17:47	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0044	0.00015	1	8260B	10/5/17 17:47	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 17:47	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0044	0.00025	1	8260B	10/5/17 17:47	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 17:47	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0044	0.00023	1	8260B	10/5/17 17:47	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0044	0.00029	1	8260B	10/5/17 17:47	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0044	0.00028	1	8260B	10/5/17 17:47	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.022	0.00060	1	8260B	10/5/17 17:47	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 17:47	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.013	0.00082	1	8260B	10/5/17 17:47	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*107 %*	*70-130*
Dibromofluoromethane	*104 %*	*84-123*
Toluene-d8	*116 %*	*76-129*

ECS Carolinas, LLP (Greensboro)
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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-7
Prism Sample ID: 7100008-08
Prism Work Order: 7100008
Time Collected: 09/26/17 12:15
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**81.2**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	BRL	mg/kg dry	0.026	0.0025	1	*7471B	10/6/17 13:25	JAB	P7J0099
Arsenic	**0.47**	**mg/kg dry**	**0.29**	**0.035**	**1**	***6010D**	**10/4/17 19:10**	**JAB**	**P7J0025**
Barium	**73**	**mg/kg dry**	**0.58**	**0.085**	**1**	***6010D**	**10/4/17 19:10**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.29	0.0078	1	*6010D	10/4/17 19:10	JAB	P7J0025
Chromium	**14**	**mg/kg dry**	**0.29**	**0.049**	**1**	***6010D**	**10/4/17 19:10**	**JAB**	**P7J0025**
Lead	**2.4**	**mg/kg dry**	**0.29**	**0.054**	**1**	***6010D**	**10/4/17 19:10**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.58	0.14	1	*6010D	10/4/17 19:10	JAB	P7J0025
Silver	BRL	mg/kg dry	0.29	0.0072	1	*6010D	10/4/17 19:10	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0050	0.00041	1	8260B	10/5/17 18:14	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0050	0.00024	1	8260B	10/5/17 18:14	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0050	0.00034	1	8260B	10/5/17 18:14	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0050	0.00045	1	8260B	10/5/17 18:14	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0050	0.00014	1	8260B	10/5/17 18:14	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0050	0.00022	1	8260B	10/5/17 18:14	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0050	0.00028	1	8260B	10/5/17 18:14	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0050	0.00029	1	8260B	10/5/17 18:14	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0050	0.00064	1	8260B	10/5/17 18:14	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0050	0.00037	1	8260B	10/5/17 18:14	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0050	0.00038	1	8260B	10/5/17 18:14	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0050	0.00020	1	8260B	10/5/17 18:14	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0050	0.00024	1	8260B	10/5/17 18:14	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0050	0.00030	1	8260B	10/5/17 18:14	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0050	0.00031	1	8260B	10/5/17 18:14	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0050	0.00038	1	8260B	10/5/17 18:14	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0050	0.00033	1	8260B	10/5/17 18:14	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0050	0.00025	1	8260B	10/5/17 18:14	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0050	0.00020	1	8260B	10/5/17 18:14	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0050	0.00024	1	8260B	10/5/17 18:14	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0050	0.00026	1	8260B	10/5/17 18:14	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0050	0.00030	1	8260B	10/5/17 18:14	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0050	0.00024	1	8260B	10/5/17 18:14	ANG	P7J0085
Acetone	**0.079**	**mg/kg dry**	**0.050**	**0.0012**	**1**	**8260B**	**10/5/17 18:14**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0030	0.00029	1	8260B	10/5/17 18:14	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0050	0.00042	1	8260B	10/5/17 18:14	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0050	0.00028	1	8260B	10/5/17 18:14	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0050	0.00028	1	8260B	10/5/17 18:14	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0050	0.00057	1	8260B	10/5/17 18:14	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.010	0.00062	1	8260B	10/5/17 18:14	ANG	P7J0085

ECS Carolinas, LLP (Greensboro)
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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-7
Prism Sample ID: 7100008-08
Prism Work Order: 7100008
Time Collected: 09/26/17 12:15
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0050	0.00025	1	8260B	10/5/17 18:14	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0050	0.00027	1	8260B	10/5/17 18:14	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.010	0.00042	1	8260B	10/5/17 18:14	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0050	0.00036	1	8260B	10/5/17 18:14	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0050	0.00034	1	8260B	10/5/17 18:14	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0050	0.00021	1	8260B	10/5/17 18:14	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0050	0.00017	1	8260B	10/5/17 18:14	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0050	0.00021	1	8260B	10/5/17 18:14	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0050	0.00023	1	8260B	10/5/17 18:14	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0050	0.00019	1	8260B	10/5/17 18:14	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0050	0.00021	1	8260B	10/5/17 18:14	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0050	0.00030	1	8260B	10/5/17 18:14	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.010	0.00046	1	8260B	10/5/17 18:14	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.050	0.00045	1	8260B	10/5/17 18:14	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.10	0.00045	1	8260B	10/5/17 18:14	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.050	0.00043	1	8260B	10/5/17 18:14	ANG	P7J0085
Methylene Chloride	**0.0038 J**	**mg/kg dry**	**0.010**	**0.00028**	**1**	**8260B**	**10/5/17 18:14**	**ANG**	**P7J0085**
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.010	0.00016	1	8260B	10/5/17 18:14	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.010	0.00016	1	8260B	10/5/17 18:14	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0050	0.00026	1	8260B	10/5/17 18:14	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0050	0.00030	1	8260B	10/5/17 18:14	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0050	0.00021	1	8260B	10/5/17 18:14	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0050	0.00024	1	8260B	10/5/17 18:14	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0050	0.00030	1	8260B	10/5/17 18:14	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0050	0.00017	1	8260B	10/5/17 18:14	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0050	0.00024	1	8260B	10/5/17 18:14	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0050	0.00029	1	8260B	10/5/17 18:14	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0050	0.00030	1	8260B	10/5/17 18:14	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0050	0.00026	1	8260B	10/5/17 18:14	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0050	0.00033	1	8260B	10/5/17 18:14	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0050	0.00033	1	8260B	10/5/17 18:14	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.025	0.00069	1	8260B	10/5/17 18:14	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0050	0.00024	1	8260B	10/5/17 18:14	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.015	0.00094	1	8260B	10/5/17 18:14	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*102 %*	*84-123*
Toluene-d8	*115 %*	*76-129*

ECS Carolinas, LLP (Greensboro)
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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: BG-2
Prism Sample ID: 7100008-09
Prism Work Order: 7100008
Time Collected: 09/26/17 12:25
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**79.5**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	BRL	mg/kg dry	0.027	0.0026	1	*7471B	10/6/17 13:30	JAB	P7J0099
Arsenic	**0.41**	**mg/kg dry**	**0.26**	**0.031**	**1**	***6010D**	**10/4/17 19:20**	**JAB**	**P7J0025**
Barium	**110**	**mg/kg dry**	**0.51**	**0.075**	**1**	***6010D**	**10/4/17 19:20**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.26	0.0069	1	*6010D	10/4/17 19:20	JAB	P7J0025
Chromium	**130 E**	**mg/kg dry**	**0.26**	**0.043**	**1**	***6010D**	**10/4/17 19:20**	**JAB**	**P7J0025**
Lead	**2.6**	**mg/kg dry**	**0.26**	**0.048**	**1**	***6010D**	**10/4/17 19:20**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.51	0.12	1	*6010D	10/4/17 19:20	JAB	P7J0025
Silver	BRL	mg/kg dry	0.26	0.0064	1	*6010D	10/4/17 19:20	JAB	P7J0025

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-8
Prism Sample ID: 7100008-10
Prism Work Order: 7100008
Time Collected: 09/26/17 12:40
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**79.0**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	BRL	mg/kg dry	0.027	0.0025	1	*7471B	10/6/17 13:35	JAB	P7J0099
Arsenic	**1.7**	**mg/kg dry**	**0.29**	**0.036**	**1**	***6010D**	**10/4/17 19:28**	**JAB**	**P7J0025**
Barium	**84**	**mg/kg dry**	**0.58**	**0.085**	**1**	***6010D**	**10/4/17 19:28**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.29	0.0078	1	*6010D	10/4/17 19:28	JAB	P7J0025
Chromium	**39**	**mg/kg dry**	**0.29**	**0.049**	**1**	***6010D**	**10/4/17 19:28**	**JAB**	**P7J0025**
Lead	**5.3**	**mg/kg dry**	**0.29**	**0.054**	**1**	***6010D**	**10/4/17 19:28**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.58	0.14	1	*6010D	10/4/17 19:28	JAB	P7J0025
Silver	BRL	mg/kg dry	0.29	0.0072	1	*6010D	10/4/17 19:28	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0048	0.00039	1	8260B	10/5/17 18:42	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 18:42	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0048	0.00032	1	8260B	10/5/17 18:42	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0048	0.00042	1	8260B	10/5/17 18:42	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0048	0.00013	1	8260B	10/5/17 18:42	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0048	0.00021	1	8260B	10/5/17 18:42	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0048	0.00026	1	8260B	10/5/17 18:42	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0048	0.00027	1	8260B	10/5/17 18:42	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0048	0.00061	1	8260B	10/5/17 18:42	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0048	0.00035	1	8260B	10/5/17 18:42	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0048	0.00036	1	8260B	10/5/17 18:42	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0048	0.00019	1	8260B	10/5/17 18:42	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0048	0.00022	1	8260B	10/5/17 18:42	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0048	0.00028	1	8260B	10/5/17 18:42	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0048	0.00030	1	8260B	10/5/17 18:42	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0048	0.00036	1	8260B	10/5/17 18:42	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0048	0.00032	1	8260B	10/5/17 18:42	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0048	0.00024	1	8260B	10/5/17 18:42	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0048	0.00019	1	8260B	10/5/17 18:42	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 18:42	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0048	0.00025	1	8260B	10/5/17 18:42	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0048	0.00028	1	8260B	10/5/17 18:42	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 18:42	ANG	P7J0085
Acetone	**0.14**	**mg/kg dry**	**0.048**	**0.0012**	**1**	**8260B**	**10/5/17 18:42**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0029	0.00028	1	8260B	10/5/17 18:42	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0048	0.00040	1	8260B	10/5/17 18:42	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0048	0.00026	1	8260B	10/5/17 18:42	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0048	0.00027	1	8260B	10/5/17 18:42	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0048	0.00054	1	8260B	10/5/17 18:42	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.0095	0.00059	1	8260B	10/5/17 18:42	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-8
Prism Sample ID: 7100008-10
Prism Work Order: 7100008
Time Collected: 09/26/17 12:40
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0048	0.00024	1	8260B	10/5/17 18:42	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0048	0.00025	1	8260B	10/5/17 18:42	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.0095	0.00040	1	8260B	10/5/17 18:42	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0048	0.00034	1	8260B	10/5/17 18:42	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0048	0.00032	1	8260B	10/5/17 18:42	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0048	0.00020	1	8260B	10/5/17 18:42	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0048	0.00016	1	8260B	10/5/17 18:42	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0048	0.00020	1	8260B	10/5/17 18:42	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0048	0.00022	1	8260B	10/5/17 18:42	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0048	0.00018	1	8260B	10/5/17 18:42	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0048	0.00019	1	8260B	10/5/17 18:42	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0048	0.00028	1	8260B	10/5/17 18:42	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.0095	0.00044	1	8260B	10/5/17 18:42	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.048	0.00043	1	8260B	10/5/17 18:42	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.095	0.00043	1	8260B	10/5/17 18:42	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.048	0.00041	1	8260B	10/5/17 18:42	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.0095	0.00027	1	8260B	10/5/17 18:42	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0095	0.00015	1	8260B	10/5/17 18:42	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.0095	0.00015	1	8260B	10/5/17 18:42	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0048	0.00024	1	8260B	10/5/17 18:42	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0048	0.00028	1	8260B	10/5/17 18:42	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0048	0.00020	1	8260B	10/5/17 18:42	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 18:42	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0048	0.00029	1	8260B	10/5/17 18:42	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0048	0.00016	1	8260B	10/5/17 18:42	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 18:42	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0048	0.00027	1	8260B	10/5/17 18:42	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0048	0.00029	1	8260B	10/5/17 18:42	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0048	0.00025	1	8260B	10/5/17 18:42	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0048	0.00031	1	8260B	10/5/17 18:42	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0048	0.00031	1	8260B	10/5/17 18:42	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.024	0.00065	1	8260B	10/5/17 18:42	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 18:42	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.014	0.00089	1	8260B	10/5/17 18:42	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*118 %*	*76-129*

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-9
Prism Sample ID: 7100008-11
Prism Work Order: 7100008
Time Collected: 09/26/17 12:55
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**78.9**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	**0.026**	**mg/kg dry**	**0.026**	**0.0024**	**1**	***7471B**	**10/6/17 13:39**	**JAB**	**P7J0099**
Arsenic	**1.7**	**mg/kg dry**	**0.32**	**0.038**	**1**	***6010D**	**10/5/17 19:52**	**JAB**	**P7J0025**
Barium	**88**	**mg/kg dry**	**0.63**	**0.092**	**1**	***6010D**	**10/5/17 19:52**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.32	0.0084	1	*6010D	10/5/17 19:52	JAB	P7J0025
Chromium	**64**	**mg/kg dry**	**0.32**	**0.053**	**1**	***6010D**	**10/5/17 19:52**	**JAB**	**P7J0025**
Lead	**8.5**	**mg/kg dry**	**0.32**	**0.059**	**1**	***6010D**	**10/5/17 19:52**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.63	0.15	1	*6010D	10/5/17 19:52	JAB	P7J0025
Silver	BRL	mg/kg dry	0.32	0.0078	1	*6010D	10/5/17 19:52	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0044	0.00036	1	8260B	10/5/17 19:09	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 19:09	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0044	0.00029	1	8260B	10/5/17 19:09	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0044	0.00039	1	8260B	10/5/17 19:09	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0044	0.00012	1	8260B	10/5/17 19:09	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0044	0.00019	1	8260B	10/5/17 19:09	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0044	0.00024	1	8260B	10/5/17 19:09	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0044	0.00025	1	8260B	10/5/17 19:09	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0044	0.00056	1	8260B	10/5/17 19:09	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0044	0.00032	1	8260B	10/5/17 19:09	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0044	0.00033	1	8260B	10/5/17 19:09	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0044	0.00018	1	8260B	10/5/17 19:09	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0044	0.00020	1	8260B	10/5/17 19:09	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 19:09	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0044	0.00027	1	8260B	10/5/17 19:09	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0044	0.00033	1	8260B	10/5/17 19:09	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0044	0.00029	1	8260B	10/5/17 19:09	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0044	0.00022	1	8260B	10/5/17 19:09	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0044	0.00017	1	8260B	10/5/17 19:09	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 19:09	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0044	0.00022	1	8260B	10/5/17 19:09	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 19:09	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 19:09	ANG	P7J0085
Acetone	**0.056**	**mg/kg dry**	**0.044**	**0.0011**	**1**	**8260B**	**10/5/17 19:09**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0026	0.00025	1	8260B	10/5/17 19:09	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0044	0.00036	1	8260B	10/5/17 19:09	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0044	0.00024	1	8260B	10/5/17 19:09	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0044	0.00024	1	8260B	10/5/17 19:09	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0044	0.00050	1	8260B	10/5/17 19:09	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.0087	0.00054	1	8260B	10/5/17 19:09	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-9
Prism Sample ID: 7100008-11
Prism Work Order: 7100008
Time Collected: 09/26/17 12:55
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0044	0.00022	1	8260B	10/5/17 19:09	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0044	0.00023	1	8260B	10/5/17 19:09	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.0087	0.00036	1	8260B	10/5/17 19:09	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0044	0.00031	1	8260B	10/5/17 19:09	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0044	0.00029	1	8260B	10/5/17 19:09	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0044	0.00019	1	8260B	10/5/17 19:09	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0044	0.00015	1	8260B	10/5/17 19:09	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0044	0.00018	1	8260B	10/5/17 19:09	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0044	0.00020	1	8260B	10/5/17 19:09	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0044	0.00017	1	8260B	10/5/17 19:09	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0044	0.00018	1	8260B	10/5/17 19:09	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 19:09	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.0087	0.00040	1	8260B	10/5/17 19:09	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.044	0.00039	1	8260B	10/5/17 19:09	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.087	0.00039	1	8260B	10/5/17 19:09	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.044	0.00037	1	8260B	10/5/17 19:09	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.0087	0.00024	1	8260B	10/5/17 19:09	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0087	0.00014	1	8260B	10/5/17 19:09	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.0087	0.00014	1	8260B	10/5/17 19:09	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0044	0.00022	1	8260B	10/5/17 19:09	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 19:09	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0044	0.00018	1	8260B	10/5/17 19:09	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 19:09	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 19:09	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0044	0.00015	1	8260B	10/5/17 19:09	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 19:09	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0044	0.00025	1	8260B	10/5/17 19:09	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	10/5/17 19:09	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0044	0.00023	1	8260B	10/5/17 19:09	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0044	0.00028	1	8260B	10/5/17 19:09	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0044	0.00028	1	8260B	10/5/17 19:09	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.022	0.00060	1	8260B	10/5/17 19:09	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0044	0.00021	1	8260B	10/5/17 19:09	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.013	0.00082	1	8260B	10/5/17 19:09	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*104 %*	*84-123*
Toluene-d8	*116 %*	*76-129*

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-10
Prism Sample ID: 7100008-12
Prism Work Order: 7100008
Time Collected: 09/26/17 13:14
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**73.6**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	**0.37**	**mg/kg dry**	**0.028**	**0.0026**	**1**	***7471B**	**10/9/17 10:48**	**JAB**	**P7J0127**
Arsenic	**6.9**	**mg/kg dry**	**0.28**	**0.034**	**1**	***6010D**	**10/5/17 20:01**	**JAB**	**P7J0025**
Barium	**110**	**mg/kg dry**	**0.56**	**0.082**	**1**	***6010D**	**10/5/17 20:01**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.28	0.0075	1	*6010D	10/5/17 20:01	JAB	P7J0025
Chromium	**93**	**mg/kg dry**	**0.28**	**0.047**	**1**	***6010D**	**10/5/17 20:01**	**JAB**	**P7J0025**
Lead	**77**	**mg/kg dry**	**0.28**	**0.052**	**1**	***6010D**	**10/5/17 20:01**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.56	0.13	1	*6010D	10/5/17 20:01	JAB	P7J0025
Silver	BRL	mg/kg dry	0.28	0.0069	1	*6010D	10/5/17 20:01	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0081	0.00066	1	8260B	10/5/17 19:37	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0081	0.00039	1	8260B	10/5/17 19:37	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0081	0.00055	1	8260B	10/5/17 19:37	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0081	0.00072	1	8260B	10/5/17 19:37	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0081	0.00022	1	8260B	10/5/17 19:37	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0081	0.00036	1	8260B	10/5/17 19:37	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0081	0.00044	1	8260B	10/5/17 19:37	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0081	0.00046	1	8260B	10/5/17 19:37	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0081	0.0010	1	8260B	10/5/17 19:37	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0081	0.00060	1	8260B	10/5/17 19:37	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0081	0.00062	1	8260B	10/5/17 19:37	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0081	0.00032	1	8260B	10/5/17 19:37	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0081	0.00038	1	8260B	10/5/17 19:37	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0081	0.00048	1	8260B	10/5/17 19:37	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0081	0.00050	1	8260B	10/5/17 19:37	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0081	0.00061	1	8260B	10/5/17 19:37	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0081	0.00053	1	8260B	10/5/17 19:37	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0081	0.00041	1	8260B	10/5/17 19:37	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0081	0.00032	1	8260B	10/5/17 19:37	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0081	0.00038	1	8260B	10/5/17 19:37	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0081	0.00042	1	8260B	10/5/17 19:37	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0081	0.00048	1	8260B	10/5/17 19:37	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0081	0.00039	1	8260B	10/5/17 19:37	ANG	P7J0085
Acetone	**0.047 J**	**mg/kg dry**	**0.081**	**0.0020**	**1**	**8260B**	**10/5/17 19:37**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0048	0.00047	1	8260B	10/5/17 19:37	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0081	0.00067	1	8260B	10/5/17 19:37	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0081	0.00044	1	8260B	10/5/17 19:37	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0081	0.00045	1	8260B	10/5/17 19:37	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0081	0.00092	1	8260B	10/5/17 19:37	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.016	0.0010	1	8260B	10/5/17 19:37	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-10
Prism Sample ID: 7100008-12
Prism Work Order: 7100008
Time Collected: 09/26/17 13:14
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0081	0.00040	1	8260B	10/5/17 19:37	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0081	0.00043	1	8260B	10/5/17 19:37	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.016	0.00067	1	8260B	10/5/17 19:37	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0081	0.00058	1	8260B	10/5/17 19:37	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0081	0.00054	1	8260B	10/5/17 19:37	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0081	0.00034	1	8260B	10/5/17 19:37	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0081	0.00027	1	8260B	10/5/17 19:37	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0081	0.00033	1	8260B	10/5/17 19:37	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0081	0.00037	1	8260B	10/5/17 19:37	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0081	0.00031	1	8260B	10/5/17 19:37	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0081	0.00033	1	8260B	10/5/17 19:37	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0081	0.00048	1	8260B	10/5/17 19:37	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.016	0.00074	1	8260B	10/5/17 19:37	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.081	0.00073	1	8260B	10/5/17 19:37	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.16	0.00073	1	8260B	10/5/17 19:37	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.081	0.00069	1	8260B	10/5/17 19:37	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.016	0.00045	1	8260B	10/5/17 19:37	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.016	0.00026	1	8260B	10/5/17 19:37	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.016	0.00026	1	8260B	10/5/17 19:37	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0081	0.00041	1	8260B	10/5/17 19:37	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0081	0.00048	1	8260B	10/5/17 19:37	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0081	0.00033	1	8260B	10/5/17 19:37	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0081	0.00039	1	8260B	10/5/17 19:37	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0081	0.00049	1	8260B	10/5/17 19:37	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0081	0.00027	1	8260B	10/5/17 19:37	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0081	0.00038	1	8260B	10/5/17 19:37	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0081	0.00046	1	8260B	10/5/17 19:37	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0081	0.00048	1	8260B	10/5/17 19:37	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0081	0.00042	1	8260B	10/5/17 19:37	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0081	0.00052	1	8260B	10/5/17 19:37	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0081	0.00052	1	8260B	10/5/17 19:37	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.040	0.0011	1	8260B	10/5/17 19:37	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0081	0.00039	1	8260B	10/5/17 19:37	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.024	0.0015	1	8260B	10/5/17 19:37	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*106 %*	*84-123*
Toluene-d8	*116 %*	*76-129*

ECS Carolinas, LLP (Greensboro)
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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-11
Prism Sample ID: 7100008-13
Prism Work Order: 7100008
Time Collected: 09/26/17 13:35
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**77.6**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	BRL	mg/kg dry	0.024	0.0023	1	*7471B	10/9/17 11:01	JAB	P7J0127
Arsenic	**4.6**	**mg/kg dry**	**0.28**	**0.034**	**1**	***6010D**	**10/5/17 20:09**	**JAB**	**P7J0025**
Barium	**68**	**mg/kg dry**	**0.56**	**0.082**	**1**	***6010D**	**10/5/17 20:09**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.28	0.0075	1	*6010D	10/5/17 20:09	JAB	P7J0025
Chromium	**18**	**mg/kg dry**	**0.28**	**0.047**	**1**	***6010D**	**10/5/17 20:09**	**JAB**	**P7J0025**
Lead	**27**	**mg/kg dry**	**0.28**	**0.052**	**1**	***6010D**	**10/5/17 20:09**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.56	0.13	1	*6010D	10/5/17 20:09	JAB	P7J0025
Silver	BRL	mg/kg dry	0.28	0.0070	1	*6010D	10/5/17 20:09	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0065	0.00053	1	8260B	10/5/17 20:04	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0065	0.00031	1	8260B	10/5/17 20:04	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0065	0.00044	1	8260B	10/5/17 20:04	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0065	0.00057	1	8260B	10/5/17 20:04	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0065	0.00018	1	8260B	10/5/17 20:04	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0065	0.00029	1	8260B	10/5/17 20:04	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0065	0.00035	1	8260B	10/5/17 20:04	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0065	0.00037	1	8260B	10/5/17 20:04	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0065	0.00083	1	8260B	10/5/17 20:04	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0065	0.00048	1	8260B	10/5/17 20:04	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0065	0.00049	1	8260B	10/5/17 20:04	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0065	0.00026	1	8260B	10/5/17 20:04	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0065	0.00030	1	8260B	10/5/17 20:04	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0065	0.00039	1	8260B	10/5/17 20:04	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0065	0.00040	1	8260B	10/5/17 20:04	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0065	0.00049	1	8260B	10/5/17 20:04	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0065	0.00043	1	8260B	10/5/17 20:04	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0065	0.00032	1	8260B	10/5/17 20:04	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0065	0.00025	1	8260B	10/5/17 20:04	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0065	0.00031	1	8260B	10/5/17 20:04	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0065	0.00033	1	8260B	10/5/17 20:04	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0065	0.00039	1	8260B	10/5/17 20:04	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0065	0.00031	1	8260B	10/5/17 20:04	ANG	P7J0085
Acetone	**0.10**	**mg/kg dry**	**0.065**	**0.0016**	**1**	**8260B**	**10/5/17 20:04**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0039	0.00038	1	8260B	10/5/17 20:04	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0065	0.00054	1	8260B	10/5/17 20:04	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0065	0.00036	1	8260B	10/5/17 20:04	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0065	0.00036	1	8260B	10/5/17 20:04	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0065	0.00073	1	8260B	10/5/17 20:04	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.013	0.00080	1	8260B	10/5/17 20:04	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-11
Prism Sample ID: 7100008-13
Prism Work Order: 7100008
Time Collected: 09/26/17 13:35
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0065	0.00032	1	8260B	10/5/17 20:04	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0065	0.00034	1	8260B	10/5/17 20:04	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.013	0.00054	1	8260B	10/5/17 20:04	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0065	0.00047	1	8260B	10/5/17 20:04	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0065	0.00043	1	8260B	10/5/17 20:04	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0065	0.00028	1	8260B	10/5/17 20:04	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0065	0.00022	1	8260B	10/5/17 20:04	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0065	0.00027	1	8260B	10/5/17 20:04	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0065	0.00029	1	8260B	10/5/17 20:04	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0065	0.00025	1	8260B	10/5/17 20:04	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0065	0.00026	1	8260B	10/5/17 20:04	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0065	0.00038	1	8260B	10/5/17 20:04	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.013	0.00060	1	8260B	10/5/17 20:04	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.065	0.00058	1	8260B	10/5/17 20:04	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.13	0.00058	1	8260B	10/5/17 20:04	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.065	0.00055	1	8260B	10/5/17 20:04	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.013	0.00036	1	8260B	10/5/17 20:04	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.013	0.00021	1	8260B	10/5/17 20:04	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.013	0.00020	1	8260B	10/5/17 20:04	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0065	0.00033	1	8260B	10/5/17 20:04	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0065	0.00038	1	8260B	10/5/17 20:04	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0065	0.00027	1	8260B	10/5/17 20:04	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0065	0.00031	1	8260B	10/5/17 20:04	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0065	0.00039	1	8260B	10/5/17 20:04	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0065	0.00022	1	8260B	10/5/17 20:04	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0065	0.00031	1	8260B	10/5/17 20:04	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0065	0.00037	1	8260B	10/5/17 20:04	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0065	0.00039	1	8260B	10/5/17 20:04	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0065	0.00034	1	8260B	10/5/17 20:04	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0065	0.00042	1	8260B	10/5/17 20:04	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0065	0.00042	1	8260B	10/5/17 20:04	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.032	0.00089	1	8260B	10/5/17 20:04	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0065	0.00031	1	8260B	10/5/17 20:04	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.019	0.0012	1	8260B	10/5/17 20:04	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*105 %*	*84-123*
Toluene-d8	*116 %*	*76-129*

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-12
Prism Sample ID: 7100008-14
Prism Work Order: 7100008
Time Collected: 09/26/17 14:05
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**79.7**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	**0.055**	**mg/kg dry**	**0.023**	**0.0022**	**1**	***7471B**	**10/9/17 11:06**	**JAB**	**P7J0127**
Arsenic	**3.0**	**mg/kg dry**	**0.25**	**0.031**	**1**	***6010D**	**10/5/17 20:19**	**JAB**	**P7J0025**
Barium	**43**	**mg/kg dry**	**0.51**	**0.074**	**1**	***6010D**	**10/5/17 20:19**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.25	0.0068	1	*6010D	10/5/17 20:19	JAB	P7J0025
Chromium	**43**	**mg/kg dry**	**0.25**	**0.042**	**1**	***6010D**	**10/5/17 20:19**	**JAB**	**P7J0025**
Lead	**29**	**mg/kg dry**	**0.25**	**0.047**	**1**	***6010D**	**10/5/17 20:19**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.51	0.12	1	*6010D	10/5/17 20:19	JAB	P7J0025
Silver	BRL	mg/kg dry	0.25	0.0063	1	*6010D	10/5/17 20:19	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00039	1	8260B	10/5/17 20:32	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	10/5/17 20:32	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00032	1	8260B	10/5/17 20:32	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0047	0.00042	1	8260B	10/5/17 20:32	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0047	0.00013	1	8260B	10/5/17 20:32	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00021	1	8260B	10/5/17 20:32	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00026	1	8260B	10/5/17 20:32	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	10/5/17 20:32	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0047	0.00060	1	8260B	10/5/17 20:32	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	10/5/17 20:32	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00036	1	8260B	10/5/17 20:32	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	10/5/17 20:32	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	10/5/17 20:32	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 20:32	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00029	1	8260B	10/5/17 20:32	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	10/5/17 20:32	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00031	1	8260B	10/5/17 20:32	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0047	0.00024	1	8260B	10/5/17 20:32	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	10/5/17 20:32	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00022	1	8260B	10/5/17 20:32	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	10/5/17 20:32	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 20:32	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	10/5/17 20:32	ANG	P7J0085
Acetone	**0.12**	**mg/kg dry**	**0.047**	**0.0011**	**1**	**8260B**	**10/5/17 20:32**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0028	0.00027	1	8260B	10/5/17 20:32	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0047	0.00039	1	8260B	10/5/17 20:32	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	10/5/17 20:32	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	10/5/17 20:32	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0047	0.00053	1	8260B	10/5/17 20:32	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.0094	0.00058	1	8260B	10/5/17 20:32	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-12
Prism Sample ID: 7100008-14
Prism Work Order: 7100008
Time Collected: 09/26/17 14:05
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	10/5/17 20:32	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	10/5/17 20:32	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.0094	0.00039	1	8260B	10/5/17 20:32	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0047	0.00034	1	8260B	10/5/17 20:32	ANG	P7J0085
Chloromethane	**0.014**	**mg/kg dry**	**0.0047**	**0.00031**	**1**	**8260B**	**10/5/17 20:32**	**ANG**	**P7J0085**
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00020	1	8260B	10/5/17 20:32	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	10/5/17 20:32	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	10/5/17 20:32	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0047	0.00021	1	8260B	10/5/17 20:32	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	10/5/17 20:32	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0047	0.00019	1	8260B	10/5/17 20:32	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 20:32	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.0094	0.00043	1	8260B	10/5/17 20:32	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.047	0.00042	1	8260B	10/5/17 20:32	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.094	0.00042	1	8260B	10/5/17 20:32	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.047	0.00040	1	8260B	10/5/17 20:32	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.0094	0.00026	1	8260B	10/5/17 20:32	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0094	0.00015	1	8260B	10/5/17 20:32	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.0094	0.00015	1	8260B	10/5/17 20:32	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	10/5/17 20:32	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 20:32	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0047	0.00019	1	8260B	10/5/17 20:32	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	10/5/17 20:32	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 20:32	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	10/5/17 20:32	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	10/5/17 20:32	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	10/5/17 20:32	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	10/5/17 20:32	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	10/5/17 20:32	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0047	0.00030	1	8260B	10/5/17 20:32	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0047	0.00030	1	8260B	10/5/17 20:32	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.023	0.00064	1	8260B	10/5/17 20:32	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	10/5/17 20:32	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.014	0.00088	1	8260B	10/5/17 20:32	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*107 %*	*84-123*
Toluene-d8	*115 %*	*76-129*

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-13
Prism Sample ID: 7100008-15
Prism Work Order: 7100008
Time Collected: 09/26/17 14:28
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**79.7**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	**0.026**	**mg/kg dry**	**0.026**	**0.0025**	**1**	***7471B**	**10/9/17 11:11**	**JAB**	**P7J0127**
Arsenic	**1.0**	**mg/kg dry**	**0.26**	**0.032**	**1**	***6010D**	**10/5/17 20:28**	**JAB**	**P7J0025**
Barium	**57**	**mg/kg dry**	**0.53**	**0.077**	**1**	***6010D**	**10/5/17 20:28**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.26	0.0071	1	*6010D	10/5/17 20:28	JAB	P7J0025
Chromium	**39**	**mg/kg dry**	**0.26**	**0.044**	**1**	***6010D**	**10/5/17 20:28**	**JAB**	**P7J0025**
Lead	**5.9**	**mg/kg dry**	**0.26**	**0.049**	**1**	***6010D**	**10/5/17 20:28**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.53	0.13	1	*6010D	10/5/17 20:28	JAB	P7J0025
Silver	BRL	mg/kg dry	0.26	0.0066	1	*6010D	10/5/17 20:28	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0048	0.00040	1	8260B	10/5/17 20:59	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 20:59	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0048	0.00033	1	8260B	10/5/17 20:59	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0048	0.00043	1	8260B	10/5/17 20:59	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0048	0.00013	1	8260B	10/5/17 20:59	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0048	0.00021	1	8260B	10/5/17 20:59	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0048	0.00026	1	8260B	10/5/17 20:59	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0048	0.00027	1	8260B	10/5/17 20:59	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0048	0.00062	1	8260B	10/5/17 20:59	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0048	0.00036	1	8260B	10/5/17 20:59	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0048	0.00037	1	8260B	10/5/17 20:59	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0048	0.00019	1	8260B	10/5/17 20:59	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 20:59	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0048	0.00029	1	8260B	10/5/17 20:59	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0048	0.00030	1	8260B	10/5/17 20:59	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0048	0.00037	1	8260B	10/5/17 20:59	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0048	0.00032	1	8260B	10/5/17 20:59	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0048	0.00024	1	8260B	10/5/17 20:59	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0048	0.00019	1	8260B	10/5/17 20:59	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 20:59	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0048	0.00025	1	8260B	10/5/17 20:59	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0048	0.00029	1	8260B	10/5/17 20:59	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 20:59	ANG	P7J0085
Acetone	**0.033 J**	**mg/kg dry**	**0.048**	**0.0012**	**1**	**8260B**	**10/5/17 20:59**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0029	0.00028	1	8260B	10/5/17 20:59	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0048	0.00040	1	8260B	10/5/17 20:59	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0048	0.00027	1	8260B	10/5/17 20:59	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0048	0.00027	1	8260B	10/5/17 20:59	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0048	0.00055	1	8260B	10/5/17 20:59	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.0097	0.00060	1	8260B	10/5/17 20:59	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-13
Prism Sample ID: 7100008-15
Prism Work Order: 7100008
Time Collected: 09/26/17 14:28
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0048	0.00024	1	8260B	10/5/17 20:59	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0048	0.00026	1	8260B	10/5/17 20:59	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.0097	0.00040	1	8260B	10/5/17 20:59	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0048	0.00035	1	8260B	10/5/17 20:59	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0048	0.00032	1	8260B	10/5/17 20:59	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0048	0.00021	1	8260B	10/5/17 20:59	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0048	0.00016	1	8260B	10/5/17 20:59	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0048	0.00020	1	8260B	10/5/17 20:59	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0048	0.00022	1	8260B	10/5/17 20:59	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0048	0.00019	1	8260B	10/5/17 20:59	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0048	0.00020	1	8260B	10/5/17 20:59	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0048	0.00029	1	8260B	10/5/17 20:59	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.0097	0.00045	1	8260B	10/5/17 20:59	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.048	0.00044	1	8260B	10/5/17 20:59	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.097	0.00044	1	8260B	10/5/17 20:59	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.048	0.00041	1	8260B	10/5/17 20:59	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.0097	0.00027	1	8260B	10/5/17 20:59	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0097	0.00015	1	8260B	10/5/17 20:59	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.0097	0.00015	1	8260B	10/5/17 20:59	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0048	0.00025	1	8260B	10/5/17 20:59	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0048	0.00029	1	8260B	10/5/17 20:59	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0048	0.00020	1	8260B	10/5/17 20:59	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 20:59	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0048	0.00029	1	8260B	10/5/17 20:59	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0048	0.00016	1	8260B	10/5/17 20:59	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 20:59	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0048	0.00028	1	8260B	10/5/17 20:59	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0048	0.00029	1	8260B	10/5/17 20:59	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0048	0.00025	1	8260B	10/5/17 20:59	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0048	0.00031	1	8260B	10/5/17 20:59	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0048	0.00031	1	8260B	10/5/17 20:59	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.024	0.00066	1	8260B	10/5/17 20:59	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0048	0.00023	1	8260B	10/5/17 20:59	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.014	0.00091	1	8260B	10/5/17 20:59	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*70-130*
Dibromofluoromethane	*105 %*	*84-123*
Toluene-d8	*116 %*	*76-129*

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-14
Prism Sample ID: 7100008-16
Prism Work Order: 7100008
Time Collected: 09/26/17 15:30
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**75.0**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	**0.055**	**mg/kg dry**	**0.025**	**0.0023**	**1**	***7471B**	**10/9/17 11:15**	**JAB**	**P7J0127**
Arsenic	**2.3**	**mg/kg dry**	**0.27**	**0.033**	**1**	***6010D**	**10/5/17 20:37**	**JAB**	**P7J0025**
Barium	**95**	**mg/kg dry**	**0.54**	**0.078**	**1**	***6010D**	**10/5/17 20:37**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.27	0.0072	1	*6010D	10/5/17 20:37	JAB	P7J0025
Chromium	**48**	**mg/kg dry**	**0.27**	**0.045**	**1**	***6010D**	**10/5/17 20:37**	**JAB**	**P7J0025**
Lead	**27**	**mg/kg dry**	**0.27**	**0.050**	**1**	***6010D**	**10/5/17 20:37**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.54	0.13	1	*6010D	10/5/17 20:37	JAB	P7J0025
Silver	BRL	mg/kg dry	0.27	0.0066	1	*6010D	10/5/17 20:37	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0046	0.00038	1	8260B	10/5/17 21:27	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 21:27	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0046	0.00031	1	8260B	10/5/17 21:27	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0046	0.00041	1	8260B	10/5/17 21:27	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0046	0.00013	1	8260B	10/5/17 21:27	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0046	0.00020	1	8260B	10/5/17 21:27	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0046	0.00025	1	8260B	10/5/17 21:27	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0046	0.00026	1	8260B	10/5/17 21:27	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0046	0.00059	1	8260B	10/5/17 21:27	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0046	0.00034	1	8260B	10/5/17 21:27	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0046	0.00035	1	8260B	10/5/17 21:27	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0046	0.00019	1	8260B	10/5/17 21:27	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 21:27	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0046	0.00028	1	8260B	10/5/17 21:27	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0046	0.00029	1	8260B	10/5/17 21:27	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0046	0.00035	1	8260B	10/5/17 21:27	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0046	0.00031	1	8260B	10/5/17 21:27	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0046	0.00023	1	8260B	10/5/17 21:27	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0046	0.00018	1	8260B	10/5/17 21:27	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 21:27	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0046	0.00024	1	8260B	10/5/17 21:27	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0046	0.00028	1	8260B	10/5/17 21:27	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 21:27	ANG	P7J0085
Acetone	**0.086**	**mg/kg dry**	**0.046**	**0.0011**	**1**	**8260B**	**10/5/17 21:27**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0028	0.00027	1	8260B	10/5/17 21:27	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0046	0.00039	1	8260B	10/5/17 21:27	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0046	0.00025	1	8260B	10/5/17 21:27	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0046	0.00026	1	8260B	10/5/17 21:27	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0046	0.00053	1	8260B	10/5/17 21:27	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.0093	0.00057	1	8260B	10/5/17 21:27	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-14
Prism Sample ID: 7100008-16
Prism Work Order: 7100008
Time Collected: 09/26/17 15:30
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0046	0.00023	1	8260B	10/5/17 21:27	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0046	0.00025	1	8260B	10/5/17 21:27	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.0093	0.00039	1	8260B	10/5/17 21:27	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0046	0.00033	1	8260B	10/5/17 21:27	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0046	0.00031	1	8260B	10/5/17 21:27	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0046	0.00020	1	8260B	10/5/17 21:27	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0046	0.00016	1	8260B	10/5/17 21:27	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0046	0.00019	1	8260B	10/5/17 21:27	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0046	0.00021	1	8260B	10/5/17 21:27	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0046	0.00018	1	8260B	10/5/17 21:27	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0046	0.00019	1	8260B	10/5/17 21:27	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0046	0.00027	1	8260B	10/5/17 21:27	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.0093	0.00043	1	8260B	10/5/17 21:27	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.046	0.00042	1	8260B	10/5/17 21:27	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.093	0.00042	1	8260B	10/5/17 21:27	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.046	0.00039	1	8260B	10/5/17 21:27	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.0093	0.00026	1	8260B	10/5/17 21:27	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0093	0.00015	1	8260B	10/5/17 21:27	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.0093	0.00015	1	8260B	10/5/17 21:27	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0046	0.00024	1	8260B	10/5/17 21:27	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0046	0.00028	1	8260B	10/5/17 21:27	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0046	0.00019	1	8260B	10/5/17 21:27	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 21:27	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0046	0.00028	1	8260B	10/5/17 21:27	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0046	0.00016	1	8260B	10/5/17 21:27	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 21:27	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0046	0.00027	1	8260B	10/5/17 21:27	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0046	0.00028	1	8260B	10/5/17 21:27	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0046	0.00024	1	8260B	10/5/17 21:27	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0046	0.00030	1	8260B	10/5/17 21:27	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0046	0.00030	1	8260B	10/5/17 21:27	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.023	0.00063	1	8260B	10/5/17 21:27	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0046	0.00022	1	8260B	10/5/17 21:27	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.014	0.00087	1	8260B	10/5/17 21:27	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*107 %*	*70-130*
Dibromofluoromethane	*106 %*	*84-123*
Toluene-d8	*117 %*	*76-129*

ECS Carolinas, LLP (Greensboro)
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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-15
Prism Sample ID: 7100008-17
Prism Work Order: 7100008
Time Collected: 09/26/17 16:15
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**81.5**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**10/4/17 15:00**	**JLB**	**P7J0078**
Total Metals									
Mercury	BRL	mg/kg dry	0.023	0.0022	1	*7471B	10/9/17 11:20	JAB	P7J0127
Arsenic	**3.2**	**mg/kg dry**	**0.27**	**0.033**	**1**	***6010D**	**10/5/17 20:46**	**JAB**	**P7J0025**
Barium	**62**	**mg/kg dry**	**0.54**	**0.079**	**1**	***6010D**	**10/5/17 20:46**	**JAB**	**P7J0025**
Cadmium	BRL	mg/kg dry	0.27	0.0072	1	*6010D	10/5/17 20:46	JAB	P7J0025
Chromium	**210**	**mg/kg dry**	**0.54**	**0.090**	**2**	***6010D**	**10/6/17 15:14**	**JAB**	**P7J0025**
Lead	**12**	**mg/kg dry**	**0.27**	**0.050**	**1**	***6010D**	**10/5/17 20:46**	**JAB**	**P7J0025**
Selenium	BRL	mg/kg dry	0.54	0.13	1	*6010D	10/5/17 20:46	JAB	P7J0025
Silver	BRL	mg/kg dry	0.27	0.0067	1	*6010D	10/5/17 20:46	JAB	P7J0025
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0040	0.00033	1	8260B	10/5/17 21:54	ANG	P7J0085
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0040	0.00019	1	8260B	10/5/17 21:54	ANG	P7J0085
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0040	0.00027	1	8260B	10/5/17 21:54	ANG	P7J0085
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0040	0.00036	1	8260B	10/5/17 21:54	ANG	P7J0085
1,1-Dichloroethane	BRL	mg/kg dry	0.0040	0.00011	1	8260B	10/5/17 21:54	ANG	P7J0085
1,1-Dichloroethylene	BRL	mg/kg dry	0.0040	0.00018	1	8260B	10/5/17 21:54	ANG	P7J0085
1,1-Dichloropropylene	BRL	mg/kg dry	0.0040	0.00022	1	8260B	10/5/17 21:54	ANG	P7J0085
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0040	0.00023	1	8260B	10/5/17 21:54	ANG	P7J0085
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0040	0.00051	1	8260B	10/5/17 21:54	ANG	P7J0085
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0040	0.00030	1	8260B	10/5/17 21:54	ANG	P7J0085
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0040	0.00031	1	8260B	10/5/17 21:54	ANG	P7J0085
1,2-Dibromoethane	BRL	mg/kg dry	0.0040	0.00016	1	8260B	10/5/17 21:54	ANG	P7J0085
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0040	0.00019	1	8260B	10/5/17 21:54	ANG	P7J0085
1,2-Dichloroethane	BRL	mg/kg dry	0.0040	0.00024	1	8260B	10/5/17 21:54	ANG	P7J0085
1,2-Dichloropropane	BRL	mg/kg dry	0.0040	0.00025	1	8260B	10/5/17 21:54	ANG	P7J0085
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0040	0.00030	1	8260B	10/5/17 21:54	ANG	P7J0085
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0040	0.00027	1	8260B	10/5/17 21:54	ANG	P7J0085
1,3-Dichloropropane	BRL	mg/kg dry	0.0040	0.00020	1	8260B	10/5/17 21:54	ANG	P7J0085
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0040	0.00016	1	8260B	10/5/17 21:54	ANG	P7J0085
2,2-Dichloropropane	BRL	mg/kg dry	0.0040	0.00019	1	8260B	10/5/17 21:54	ANG	P7J0085
2-Chlorotoluene	BRL	mg/kg dry	0.0040	0.00021	1	8260B	10/5/17 21:54	ANG	P7J0085
4-Chlorotoluene	BRL	mg/kg dry	0.0040	0.00024	1	8260B	10/5/17 21:54	ANG	P7J0085
4-Isopropyltoluene	BRL	mg/kg dry	0.0040	0.00019	1	8260B	10/5/17 21:54	ANG	P7J0085
Acetone	**0.039 J**	**mg/kg dry**	**0.040**	**0.00098**	**1**	**8260B**	**10/5/17 21:54**	**ANG**	**P7J0085**
Benzene	BRL	mg/kg dry	0.0024	0.00023	1	8260B	10/5/17 21:54	ANG	P7J0085
Bromobenzene	BRL	mg/kg dry	0.0040	0.00034	1	8260B	10/5/17 21:54	ANG	P7J0085
Bromochloromethane	BRL	mg/kg dry	0.0040	0.00022	1	8260B	10/5/17 21:54	ANG	P7J0085
Bromodichloromethane	BRL	mg/kg dry	0.0040	0.00022	1	8260B	10/5/17 21:54	ANG	P7J0085
Bromoform	BRL	mg/kg dry	0.0040	0.00046	1	8260B	10/5/17 21:54	ANG	P7J0085
Bromomethane	BRL	mg/kg dry	0.0080	0.00050	1	8260B	10/5/17 21:54	ANG	P7J0085

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Project: NCDOT Highpoint Pump Station U-2412A
Project No.: WBS # 34802.1.1
Sample Matrix: Solid

Client Sample ID: GP-15
Prism Sample ID: 7100008-17
Prism Work Order: 7100008
Time Collected: 09/26/17 16:15
Time Submitted: 09/29/17 12:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	mg/kg dry	0.0040	0.00020	1	8260B	10/5/17 21:54	ANG	P7J0085
Chlorobenzene	BRL	mg/kg dry	0.0040	0.00021	1	8260B	10/5/17 21:54	ANG	P7J0085
Chloroethane	BRL	mg/kg dry	0.0080	0.00034	1	8260B	10/5/17 21:54	ANG	P7J0085
Chloroform	BRL	mg/kg dry	0.0040	0.00029	1	8260B	10/5/17 21:54	ANG	P7J0085
Chloromethane	BRL	mg/kg dry	0.0040	0.00027	1	8260B	10/5/17 21:54	ANG	P7J0085
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0040	0.00017	1	8260B	10/5/17 21:54	ANG	P7J0085
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0040	0.00014	1	8260B	10/5/17 21:54	ANG	P7J0085
Dibromochloromethane	BRL	mg/kg dry	0.0040	0.00017	1	8260B	10/5/17 21:54	ANG	P7J0085
Dichlorodifluoromethane	BRL	mg/kg dry	0.0040	0.00018	1	8260B	10/5/17 21:54	ANG	P7J0085
Ethylbenzene	BRL	mg/kg dry	0.0040	0.00015	1	8260B	10/5/17 21:54	ANG	P7J0085
Isopropyl Ether	BRL	mg/kg dry	0.0040	0.00016	1	8260B	10/5/17 21:54	ANG	P7J0085
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0040	0.00024	1	8260B	10/5/17 21:54	ANG	P7J0085
m,p-Xylenes	BRL	mg/kg dry	0.0080	0.00037	1	8260B	10/5/17 21:54	ANG	P7J0085
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.040	0.00036	1	8260B	10/5/17 21:54	ANG	P7J0085
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.080	0.00036	1	8260B	10/5/17 21:54	ANG	P7J0085
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.040	0.00034	1	8260B	10/5/17 21:54	ANG	P7J0085
Methylene Chloride	BRL	mg/kg dry	0.0080	0.00023	1	8260B	10/5/17 21:54	ANG	P7J0085
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0080	0.00013	1	8260B	10/5/17 21:54	ANG	P7J0085
Naphthalene	BRL	mg/kg dry	0.0080	0.00013	1	8260B	10/5/17 21:54	ANG	P7J0085
n-Butylbenzene	BRL	mg/kg dry	0.0040	0.00021	1	8260B	10/5/17 21:54	ANG	P7J0085
n-Propylbenzene	BRL	mg/kg dry	0.0040	0.00024	1	8260B	10/5/17 21:54	ANG	P7J0085
o-Xylene	BRL	mg/kg dry	0.0040	0.00016	1	8260B	10/5/17 21:54	ANG	P7J0085
sec-Butylbenzene	BRL	mg/kg dry	0.0040	0.00019	1	8260B	10/5/17 21:54	ANG	P7J0085
Styrene	BRL	mg/kg dry	0.0040	0.00024	1	8260B	10/5/17 21:54	ANG	P7J0085
tert-Butylbenzene	BRL	mg/kg dry	0.0040	0.00014	1	8260B	10/5/17 21:54	ANG	P7J0085
Tetrachloroethylene	BRL	mg/kg dry	0.0040	0.00019	1	8260B	10/5/17 21:54	ANG	P7J0085
Toluene	BRL	mg/kg dry	0.0040	0.00023	1	8260B	10/5/17 21:54	ANG	P7J0085
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0040	0.00024	1	8260B	10/5/17 21:54	ANG	P7J0085
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0040	0.00021	1	8260B	10/5/17 21:54	ANG	P7J0085
Trichloroethylene	BRL	mg/kg dry	0.0040	0.00026	1	8260B	10/5/17 21:54	ANG	P7J0085
Trichlorofluoromethane	BRL	mg/kg dry	0.0040	0.00026	1	8260B	10/5/17 21:54	ANG	P7J0085
Vinyl acetate	BRL	mg/kg dry	0.020	0.00055	1	8260B	10/5/17 21:54	ANG	P7J0085
Vinyl chloride	BRL	mg/kg dry	0.0040	0.00019	1	8260B	10/5/17 21:54	ANG	P7J0085
Xylenes, total	BRL	mg/kg dry	0.012	0.00075	1	8260B	10/5/17 21:54	ANG	P7J0085

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*70-130*
Dibromofluoromethane	*104 %*	*84-123*
Toluene-d8	*115 %*	*76-129*

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Project: NCDOT Highpoint Pump Station
U-2412A
Project No: WBS # 34802.1.1

Prism Work Order: 7100008
Time Submitted: 9/29/2017 12:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7J0085 - 5035										
Blank (P7J0085-BLK1)				Prepared & Analyzed: 10/05/17						
1,1,1,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,1-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,2-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethylene	BRL	0.0050	mg/kg wet							
1,1-Dichloropropylene	BRL	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,3-Trichloropropane	BRL	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,2-Dibromoethane	BRL	0.0050	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,2-Dichloroethane	BRL	0.0050	mg/kg wet							
1,2-Dichloropropane	BRL	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,3-Dichloropropane	BRL	0.0050	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.0050	mg/kg wet							
2,2-Dichloropropane	BRL	0.0050	mg/kg wet							
2-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Isopropyltoluene	BRL	0.0050	mg/kg wet							
Acetone	BRL	0.050	mg/kg wet							
Benzene	BRL	0.0030	mg/kg wet							
Bromobenzene	BRL	0.0050	mg/kg wet							
Bromochloromethane	BRL	0.0050	mg/kg wet							
Bromodichloromethane	BRL	0.0050	mg/kg wet							
Bromoform	BRL	0.0050	mg/kg wet							
Bromomethane	BRL	0.010	mg/kg wet							
Carbon Tetrachloride	BRL	0.0050	mg/kg wet							
Chlorobenzene	BRL	0.0050	mg/kg wet							
Chloroethane	BRL	0.010	mg/kg wet							
Chloroform	BRL	0.0050	mg/kg wet							
Chloromethane	BRL	0.0050	mg/kg wet							
cis-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
cis-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Dibromochloromethane	BRL	0.0050	mg/kg wet							
Dichlorodifluoromethane	BRL	0.0050	mg/kg wet							
Ethylbenzene	BRL	0.0050	mg/kg wet							
Isopropyl Ether	BRL	0.0050	mg/kg wet							
Isopropylbenzene (Cumene)	BRL	0.0050	mg/kg wet							
m,p-Xylenes	BRL	0.010	mg/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	0.050	mg/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	0.10	mg/kg wet							
Methyl Isobutyl Ketone	BRL	0.050	mg/kg wet							

ECS Carolinas, LLP (Greensboro)
Attn: Randy Cavallier
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Greensboro, NC 27407

Project: NCDOT Highpoint Pump Station
U-2412A
Project No: WBS # 34802.1.1

Prism Work Order: 7100008
Time Submitted: 9/29/2017 12:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7J0085 - 5035										
Blank (P7J0085-BLK1)				Prepared & Analyzed: 10/05/17						
Methylene Chloride	BRL	0.010	mg/kg wet							
Methyl-tert-Butyl Ether	BRL	0.010	mg/kg wet							
Naphthalene	BRL	0.010	mg/kg wet							
n-Butylbenzene	BRL	0.0050	mg/kg wet							
n-Propylbenzene	BRL	0.0050	mg/kg wet							
o-Xylene	BRL	0.0050	mg/kg wet							
sec-Butylbenzene	BRL	0.0050	mg/kg wet							
Styrene	BRL	0.0050	mg/kg wet							
tert-Butylbenzene	BRL	0.0050	mg/kg wet							
Tetrachloroethylene	BRL	0.0050	mg/kg wet							
Toluene	BRL	0.0050	mg/kg wet							
trans-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
trans-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Trichloroethylene	BRL	0.0050	mg/kg wet							
Trichlorofluoromethane	BRL	0.0050	mg/kg wet							
Vinyl acetate	BRL	0.025	mg/kg wet							
Vinyl chloride	BRL	0.0050	mg/kg wet							
Xylenes, total	BRL	0.015	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*52.4*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*50.9*		*ug/L*	*50.00*		*102*	*84-123*			
Surrogate: Toluene-d8	*58.0*		*ug/L*	*50.00*		*116*	*76-129*			
LCS (P7J0085-BS1)				Prepared & Analyzed: 10/05/17						
1,1,1,2-Tetrachloroethane	0.0449	0.0050	mg/kg wet	0.05000		90	72-115			
1,1,1-Trichloroethane	0.0386	0.0050	mg/kg wet	0.05000		77	67-131			
1,1,2,2-Tetrachloroethane	0.0539	0.0050	mg/kg wet	0.05000		108	56-126			
1,1,2-Trichloroethane	0.0463	0.0050	mg/kg wet	0.05000		93	70-133			
1,1-Dichloroethane	0.0397	0.0050	mg/kg wet	0.05000		79	74-127			
1,1-Dichloroethylene	0.0423	0.0050	mg/kg wet	0.05000		85	67-149			
1,1-Dichloropropylene	0.0376	0.0050	mg/kg wet	0.05000		75	71-130			
1,2,3-Trichlorobenzene	0.0511	0.0050	mg/kg wet	0.05000		102	68-130			
1,2,3-Trichloropropane	0.0548	0.0050	mg/kg wet	0.05000		110	60-137			
1,2,4-Trichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	66-125			
1,2,4-Trimethylbenzene	0.0573	0.0050	mg/kg wet	0.05000		115	69-129			
1,2-Dibromoethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-132			
1,2-Dichlorobenzene	0.0557	0.0050	mg/kg wet	0.05000		111	72-123			
1,2-Dichloroethane	0.0405	0.0050	mg/kg wet	0.05000		81	68-128			
1,2-Dichloropropane	0.0407	0.0050	mg/kg wet	0.05000		81	73-130			
1,3,5-Trimethylbenzene	0.0566	0.0050	mg/kg wet	0.05000		113	69-128			
1,3-Dichlorobenzene	0.0550	0.0050	mg/kg wet	0.05000		110	71-120			
1,3-Dichloropropane	0.0452	0.0050	mg/kg wet	0.05000		90	75-124			
1,4-Dichlorobenzene	0.0531	0.0050	mg/kg wet	0.05000		106	71-123			
2,2-Dichloropropane	0.0398	0.0050	mg/kg wet	0.05000		80	50-142			
2-Chlorotoluene	0.0577	0.0050	mg/kg wet	0.05000		115	67-124			
4-Chlorotoluene	0.0571	0.0050	mg/kg wet	0.05000		114	71-126			
4-Isopropyltoluene	0.0574	0.0050	mg/kg wet	0.05000		115	68-129			
Acetone	0.0900	0.050	mg/kg wet	0.1000		90	29-198			

ECS Carolinas, LLP (Greensboro)
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Project: NCDOT Highpoint Pump Station
U-2412A
Project No: WBS # 34802.1.1

Prism Work Order: 7100008
Time Submitted: 9/29/2017 12:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7J0085 - 5035										
LCS (P7J0085-BS1)				Prepared & Analyzed: 10/05/17						
Benzene	0.0400	0.0030	mg/kg wet	0.05000		80	74-127			
Bromobenzene	0.0579	0.0050	mg/kg wet	0.05000		116	73-125			
Bromochloromethane	0.0383	0.0050	mg/kg wet	0.05000		77	72-134			
Bromodichloromethane	0.0392	0.0050	mg/kg wet	0.05000		78	75-122			
Bromoform	0.0399	0.0050	mg/kg wet	0.05000		80	66-135			
Bromomethane	0.0385	0.010	mg/kg wet	0.05000		77	20-180			
Carbon Tetrachloride	0.0384	0.0050	mg/kg wet	0.05000		77	64-143			
Chlorobenzene	0.0465	0.0050	mg/kg wet	0.05000		93	74-118			
Chloroethane	0.0500	0.010	mg/kg wet	0.05000		100	33-149			
Chloroform	0.0408	0.0050	mg/kg wet	0.05000		82	73-127			
Chloromethane	0.0447	0.0050	mg/kg wet	0.05000		89	45-143			
cis-1,2-Dichloroethylene	0.0408	0.0050	mg/kg wet	0.05000		82	76-134			
cis-1,3-Dichloropropylene	0.0409	0.0050	mg/kg wet	0.05000		82	71-125			
Dibromochloromethane	0.0429	0.0050	mg/kg wet	0.05000		86	73-122			
Dichlorodifluoromethane	0.0504	0.0050	mg/kg wet	0.05000		101	26-146			
Ethylbenzene	0.0468	0.0050	mg/kg wet	0.05000		94	74-128			
Isopropyl Ether	0.0402	0.0050	mg/kg wet	0.05000		80	59-159			
Isopropylbenzene (Cumene)	0.0555	0.0050	mg/kg wet	0.05000		111	68-126			
m,p-Xylenes	0.0952	0.010	mg/kg wet	0.1000		95	75-124			
Methyl Butyl Ketone (2-Hexanone)	0.0536	0.050	mg/kg wet	0.05000		107	61-157			
Methyl Ethyl Ketone (2-Butanone)	0.0423	0.10	mg/kg wet	0.05000		85	63-149			J
Methyl Isobutyl Ketone	0.0438	0.050	mg/kg wet	0.05000		88	57-162			J
Methylene Chloride	0.0387	0.010	mg/kg wet	0.05000		77	74-129			
Methyl-tert-Butyl Ether	0.0416	0.010	mg/kg wet	0.05000		83	70-130			
Naphthalene	0.0526	0.010	mg/kg wet	0.05000		105	57-157			
n-Butylbenzene	0.0581	0.0050	mg/kg wet	0.05000		116	65-135			
n-Propylbenzene	0.0561	0.0050	mg/kg wet	0.05000		112	67-130			
o-Xylene	0.0473	0.0050	mg/kg wet	0.05000		95	74-126			
sec-Butylbenzene	0.0554	0.0050	mg/kg wet	0.05000		111	66-131			
Styrene	0.0501	0.0050	mg/kg wet	0.05000		100	77-121			
tert-Butylbenzene	0.0538	0.0050	mg/kg wet	0.05000		108	67-132			
Tetrachloroethylene	0.0360	0.0050	mg/kg wet	0.05000		72	68-130			
Toluene	0.0427	0.0050	mg/kg wet	0.05000		85	71-129			
trans-1,2-Dichloroethylene	0.0406	0.0050	mg/kg wet	0.05000		81	73-132			
trans-1,3-Dichloropropylene	0.0385	0.0050	mg/kg wet	0.05000		77	68-123			
Trichloroethylene	0.0375	0.0050	mg/kg wet	0.05000		75	75-133			
Trichlorofluoromethane	0.0558	0.0050	mg/kg wet	0.05000		112	44-146			
Vinyl acetate	0.0495	0.025	mg/kg wet	0.05000		99	85-161			
Vinyl chloride	0.0481	0.0050	mg/kg wet	0.05000		96	48-147			
Xylenes, total	0.142	0.015	mg/kg wet	0.1500		95	74-126			
Surrogate: 4-Bromofluorobenzene	*51.6*		*ug/L*	*50.00*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*49.9*		*ug/L*	*50.00*		*100*	*84-123*			
Surrogate: Toluene-d8	*59.0*		*ug/L*	*50.00*		*118*	*76-129*			

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Project: NCDOT Highpoint Pump Station
U-2412A
Project No: WBS # 34802.1.1

Prism Work Order: 7100008
Time Submitted: 9/29/2017 12:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7J0085 - 5035										
LCS Dup (P7J0085-BSD1)				Prepared & Analyzed: 10/05/17						
1,1,1,2-Tetrachloroethane	0.0443	0.0050	mg/kg wet	0.05000		89	72-115	1	20	
1,1,1-Trichloroethane	0.0370	0.0050	mg/kg wet	0.05000		74	67-131	4	20	
1,1,2,2-Tetrachloroethane	0.0546	0.0050	mg/kg wet	0.05000		109	56-126	1	20	
1,1,2-Trichloroethane	0.0458	0.0050	mg/kg wet	0.05000		92	70-133	1	20	
1,1-Dichloroethane	0.0388	0.0050	mg/kg wet	0.05000		78	74-127	2	20	
1,1-Dichloroethylene	0.0409	0.0050	mg/kg wet	0.05000		82	67-149	3	20	
1,1-Dichloropropylene	0.0363	0.0050	mg/kg wet	0.05000		73	71-130	4	20	
1,2,3-Trichlorobenzene	0.0501	0.0050	mg/kg wet	0.05000		100	68-130	2	20	
1,2,3-Trichloropropane	0.0536	0.0050	mg/kg wet	0.05000		107	60-137	2	20	
1,2,4-Trichlorobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	66-125	2	20	
1,2,4-Trimethylbenzene	0.0556	0.0050	mg/kg wet	0.05000		111	69-129	3	20	
1,2-Dibromoethane	0.0497	0.0050	mg/kg wet	0.05000		99	70-132	1	20	
1,2-Dichlorobenzene	0.0549	0.0050	mg/kg wet	0.05000		110	72-123	1	20	
1,2-Dichloroethane	0.0406	0.0050	mg/kg wet	0.05000		81	68-128	0.05	20	
1,2-Dichloropropane	0.0401	0.0050	mg/kg wet	0.05000		80	73-130	2	20	
1,3,5-Trimethylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	69-128	3	20	
1,3-Dichlorobenzene	0.0533	0.0050	mg/kg wet	0.05000		107	71-120	3	20	
1,3-Dichloropropane	0.0455	0.0050	mg/kg wet	0.05000		91	75-124	0.6	20	
1,4-Dichlorobenzene	0.0528	0.0050	mg/kg wet	0.05000		106	71-123	0.6	20	
2,2-Dichloropropane	0.0387	0.0050	mg/kg wet	0.05000		77	50-142	3	20	
2-Chlorotoluene	0.0564	0.0050	mg/kg wet	0.05000		113	67-124	2	20	
4-Chlorotoluene	0.0557	0.0050	mg/kg wet	0.05000		111	71-126	3	20	
4-Isopropyltoluene	0.0557	0.0050	mg/kg wet	0.05000		111	68-129	3	20	
Acetone	0.0858	0.050	mg/kg wet	0.1000		86	29-198	5	20	
Benzene	0.0393	0.0030	mg/kg wet	0.05000		79	74-127	2	20	
Bromobenzene	0.0572	0.0050	mg/kg wet	0.05000		114	73-125	1	20	
Bromochloromethane	0.0377	0.0050	mg/kg wet	0.05000		75	72-134	2	20	
Bromodichloromethane	0.0394	0.0050	mg/kg wet	0.05000		79	75-122	0.4	20	
Bromoform	0.0397	0.0050	mg/kg wet	0.05000		79	66-135	0.6	20	
Bromomethane	0.0375	0.010	mg/kg wet	0.05000		75	20-180	3	20	
Carbon Tetrachloride	0.0372	0.0050	mg/kg wet	0.05000		74	64-143	3	20	
Chlorobenzene	0.0456	0.0050	mg/kg wet	0.05000		91	74-118	2	20	
Chloroethane	0.0482	0.010	mg/kg wet	0.05000		96	33-149	3	20	
Chloroform	0.0402	0.0050	mg/kg wet	0.05000		80	73-127	2	20	
Chloromethane	0.0427	0.0050	mg/kg wet	0.05000		85	45-143	5	20	
cis-1,2-Dichloroethylene	0.0403	0.0050	mg/kg wet	0.05000		81	76-134	1	20	
cis-1,3-Dichloropropylene	0.0405	0.0050	mg/kg wet	0.05000		81	71-125	1	20	
Dibromochloromethane	0.0440	0.0050	mg/kg wet	0.05000		88	73-122	2	20	
Dichlorodifluoromethane	0.0482	0.0050	mg/kg wet	0.05000		96	26-146	4	20	
Ethylbenzene	0.0458	0.0050	mg/kg wet	0.05000		92	74-128	2	20	
Isopropyl Ether	0.0400	0.0050	mg/kg wet	0.05000		80	59-159	0.3	20	
Isopropylbenzene (Cumene)	0.0540	0.0050	mg/kg wet	0.05000		108	68-126	3	20	
m,p-Xylenes	0.0928	0.010	mg/kg wet	0.1000		93	75-124	3	20	
Methyl Butyl Ketone (2-Hexanone)	0.0520	0.050	mg/kg wet	0.05000		104	61-157	3	20	
Methyl Ethyl Ketone (2-Butanone)	0.0404	0.10	mg/kg wet	0.05000		81	63-149	5	20	J
Methyl Isobutyl Ketone	0.0439	0.050	mg/kg wet	0.05000		88	57-162	0.1	20	J

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U-2412A
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Prism Work Order: 7100008
Time Submitted: 9/29/2017 12:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7J0085 - 5035										
LCS Dup (P7J0085-BSD1)				Prepared & Analyzed: 10/05/17						
Methylene Chloride	0.0382	0.010	mg/kg wet	0.05000		76	74-129	1	20	
Methyl-tert-Butyl Ether	0.0428	0.010	mg/kg wet	0.05000		86	70-130	3	20	
Naphthalene	0.0526	0.010	mg/kg wet	0.05000		105	57-157	0	20	
n-Butylbenzene	0.0551	0.0050	mg/kg wet	0.05000		110	65-135	5	20	
n-Propylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	67-130	3	20	
o-Xylene	0.0462	0.0050	mg/kg wet	0.05000		92	74-126	2	20	
sec-Butylbenzene	0.0534	0.0050	mg/kg wet	0.05000		107	66-131	4	20	
Styrene	0.0489	0.0050	mg/kg wet	0.05000		98	77-121	2	20	
tert-Butylbenzene	0.0522	0.0050	mg/kg wet	0.05000		104	67-132	3	20	
Tetrachloroethylene	0.0348	0.0050	mg/kg wet	0.05000		70	68-130	3	20	
Toluene	0.0419	0.0050	mg/kg wet	0.05000		84	71-129	2	20	
trans-1,2-Dichloroethylene	0.0393	0.0050	mg/kg wet	0.05000		79	73-132	3	20	
trans-1,3-Dichloropropylene	0.0386	0.0050	mg/kg wet	0.05000		77	68-123	0.4	20	
Trichloroethylene	0.0365	0.0050	mg/kg wet	0.05000		73	75-133	3	20	L2
Trichlorofluoromethane	0.0531	0.0050	mg/kg wet	0.05000		106	44-146	5	20	
Vinyl acetate	0.0510	0.025	mg/kg wet	0.05000		102	85-161	3	20	
Vinyl chloride	0.0462	0.0050	mg/kg wet	0.05000		92	48-147	4	20	
Xylenes, total	0.139	0.015	mg/kg wet	0.1500		93	74-126	2	20	
Surrogate: 4-Bromofluorobenzene	*52.1*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*49.7*		*ug/L*	*50.00*		*99*	*84-123*			
Surrogate: Toluene-d8	*58.3*		*ug/L*	*50.00*		*117*	*76-129*			
Matrix Spike (P7J0085-MS1)		**Source: 7100008-01**		Prepared & Analyzed: 10/05/17						
1,1,1,2-Tetrachloroethane	0.0546	0.0065	mg/kg dry	0.06462	BRL	85	60-120			
1,1,1-Trichloroethane	0.0473	0.0065	mg/kg dry	0.06462	BRL	73	52-139			
1,1,2,2-Tetrachloroethane	0.0593	0.0065	mg/kg dry	0.06462	BRL	92	39-135			
1,1,2-Trichloroethane	0.0538	0.0065	mg/kg dry	0.06462	BRL	83	44-140			
1,1-Dichloroethane	0.0498	0.0065	mg/kg dry	0.06462	BRL	77	59-137			
1,1-Dichloroethylene	0.0525	0.0065	mg/kg dry	0.06462	BRL	81	54-162			
1,1-Dichloropropylene	0.0455	0.0065	mg/kg dry	0.06462	BRL	70	55-137			
1,2,3-Trichlorobenzene	0.0555	0.0065	mg/kg dry	0.06462	BRL	86	34-120			
1,2,3-Trichloropropane	0.0582	0.0065	mg/kg dry	0.06462	BRL	90	45-139			
1,2,4-Trichlorobenzene	0.0543	0.0065	mg/kg dry	0.06462	BRL	84	35-116			
1,2,4-Trimethylbenzene	0.0666	0.0065	mg/kg dry	0.06462	BRL	103	38-142			
1,2-Dibromoethane	0.0569	0.0065	mg/kg dry	0.06462	BRL	88	49-132			
1,2-Dichlorobenzene	0.0633	0.0065	mg/kg dry	0.06462	BRL	98	42-130			
1,2-Dichloroethane	0.0483	0.0065	mg/kg dry	0.06462	BRL	75	51-131			
1,2-Dichloropropane	0.0494	0.0065	mg/kg dry	0.06462	BRL	76	55-138			
1,3,5-Trimethylbenzene	0.0667	0.0065	mg/kg dry	0.06462	BRL	103	44-140			
1,3-Dichlorobenzene	0.0616	0.0065	mg/kg dry	0.06462	BRL	95	41-129			
1,3-Dichloropropane	0.0534	0.0065	mg/kg dry	0.06462	BRL	83	53-129			
1,4-Dichlorobenzene	0.0608	0.0065	mg/kg dry	0.06462	BRL	94	44-134			
2,2-Dichloropropane	0.0467	0.0065	mg/kg dry	0.06462	BRL	72	30-147			
2-Chlorotoluene	0.0677	0.0065	mg/kg dry	0.06462	BRL	105	46-132			
4-Chlorotoluene	0.0664	0.0065	mg/kg dry	0.06462	BRL	103	44-135			
4-Isopropyltoluene	0.0652	0.0065	mg/kg dry	0.06462	BRL	101	32-144			
Acetone	0.0880	0.065	mg/kg dry	0.1292	0.0682	15	34-143			M

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Prism Work Order: 7100008
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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7J0085 - 5035										
Matrix Spike (P7J0085-MS1)		**Source: 7100008-01**		Prepared & Analyzed: 10/05/17						
Benzene	0.0500	0.0039	mg/kg dry	0.06462	BRL	77	60-135			
Bromobenzene	0.0680	0.0065	mg/kg dry	0.06462	BRL	105	45-135			
Bromochloromethane	0.0467	0.0065	mg/kg dry	0.06462	BRL	72	55-136			
Bromodichloromethane	0.0491	0.0065	mg/kg dry	0.06462	BRL	76	55-127			
Bromoform	0.0486	0.0065	mg/kg dry	0.06462	BRL	75	40-136			
Bromomethane	0.0144	0.013	mg/kg dry	0.06462	BRL	22	30-137			M
Carbon Tetrachloride	0.0478	0.0065	mg/kg dry	0.06462	BRL	74	48-153			
Chlorobenzene	0.0561	0.0065	mg/kg dry	0.06462	BRL	87	57-125			
Chloroethane	0.0714	0.013	mg/kg dry	0.06462	BRL	110	16-177			
Chloroform	0.0505	0.0065	mg/kg dry	0.06462	BRL	78	56-137			
Chloromethane	0.0271	0.0065	mg/kg dry	0.06462	BRL	42	40-145			
cis-1,2-Dichloroethylene	0.0504	0.0065	mg/kg dry	0.06462	BRL	78	58-140			
cis-1,3-Dichloropropylene	0.0483	0.0065	mg/kg dry	0.06462	BRL	75	42-135			
Dibromochloromethane	0.0536	0.0065	mg/kg dry	0.06462	BRL	83	49-127			
Dichlorodifluoromethane	0.0599	0.0065	mg/kg dry	0.06462	BRL	93	25-151			
Ethylbenzene	0.0565	0.0065	mg/kg dry	0.06462	BRL	87	44-144			
Isopropyl Ether	0.0491	0.0065	mg/kg dry	0.06462	BRL	76	51-155			
Isopropylbenzene (Cumene)	0.0659	0.0065	mg/kg dry	0.06462	BRL	102	41-140			
m,p-Xylenes	0.115	0.013	mg/kg dry	0.1292	BRL	89	36-148			
Methyl Butyl Ketone (2-Hexanone)	0.0518	0.065	mg/kg dry	0.06462	BRL	80	30-147			J
Methyl Ethyl Ketone (2-Butanone)	0.0404	0.13	mg/kg dry	0.06462	BRL	63	24-160			J
Methyl Isobutyl Ketone	0.0461	0.065	mg/kg dry	0.06462	BRL	71	25-163			J
Methylene Chloride	0.0492	0.013	mg/kg dry	0.06462	BRL	76	53-144			
Methyl-tert-Butyl Ether	0.0489	0.013	mg/kg dry	0.06462	BRL	76	49-135			
Naphthalene	0.0561	0.013	mg/kg dry	0.06462	BRL	87	32-127			
n-Butylbenzene	0.0643	0.0065	mg/kg dry	0.06462	BRL	99	23-148			
n-Propylbenzene	0.0649	0.0065	mg/kg dry	0.06462	BRL	100	35-144			
o-Xylene	0.0565	0.0065	mg/kg dry	0.06462	BRL	87	43-143			
sec-Butylbenzene	0.0644	0.0065	mg/kg dry	0.06462	BRL	100	34-144			
Styrene	0.0596	0.0065	mg/kg dry	0.06462	BRL	92	42-132			
tert-Butylbenzene	0.0633	0.0065	mg/kg dry	0.06462	BRL	98	36-150			
Tetrachloroethylene	0.0421	0.0065	mg/kg dry	0.06462	BRL	65	47-142			
Toluene	0.0532	0.0065	mg/kg dry	0.06462	BRL	82	57-135			
trans-1,2-Dichloroethylene	0.0508	0.0065	mg/kg dry	0.06462	BRL	79	58-141			
trans-1,3-Dichloropropylene	0.0450	0.0065	mg/kg dry	0.06462	BRL	70	41-124			
Trichloroethylene	0.0460	0.0065	mg/kg dry	0.06462	BRL	71	38-164			
Trichlorofluoromethane	0.0655	0.0065	mg/kg dry	0.06462	BRL	101	30-157			
Vinyl acetate	0.0342	0.032	mg/kg dry	0.06462	BRL	53	61-154			M
Vinyl chloride	0.0526	0.0065	mg/kg dry	0.06462	BRL	81	40-156			
Xylenes, total	0.171	0.019	mg/kg dry	0.1939	BRL	88	36-148			
Surrogate: 4-Bromofluorobenzene	*50.8*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*49.9*		*ug/L*	*50.00*		*100*	*84-123*			
Surrogate: Toluene-d8	*57.7*		*ug/L*	*50.00*		*115*	*76-129*			

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Project: NCDOT Highpoint Pump Station
U-2412A
Project No: WBS # 34802.1.1

Prism Work Order: 7100008
Time Submitted: 9/29/2017 12:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7J0085 - 5035										
Matrix Spike Dup (P7J0085-MSD1)		**Source: 7100008-01**		Prepared & Analyzed: 10/05/17						
1,1,1,2-Tetrachloroethane	0.0507	0.0064	mg/kg dry	0.06383	BRL	79	60-120	7	15	
1,1,1-Trichloroethane	0.0432	0.0064	mg/kg dry	0.06383	BRL	68	52-139	9	21	
1,1,2,2-Tetrachloroethane	0.0564	0.0064	mg/kg dry	0.06383	BRL	88	39-135	5	22	
1,1,2-Trichloroethane	0.0505	0.0064	mg/kg dry	0.06383	BRL	79	44-140	6	21	
1,1-Dichloroethane	0.0463	0.0064	mg/kg dry	0.06383	BRL	73	59-137	7	21	
1,1-Dichloroethylene	0.0482	0.0064	mg/kg dry	0.06383	BRL	76	54-162	8	22	
1,1-Dichloropropylene	0.0418	0.0064	mg/kg dry	0.06383	BRL	65	55-137	9	19	
1,2,3-Trichlorobenzene	0.0517	0.0064	mg/kg dry	0.06383	BRL	81	34-120	7	41	
1,2,3-Trichloropropane	0.0561	0.0064	mg/kg dry	0.06383	BRL	88	45-139	4	25	
1,2,4-Trichlorobenzene	0.0502	0.0064	mg/kg dry	0.06383	BRL	79	35-116	8	62	
1,2,4-Trimethylbenzene	0.0610	0.0064	mg/kg dry	0.06383	BRL	96	38-142	9	24	
1,2-Dibromoethane	0.0529	0.0064	mg/kg dry	0.06383	BRL	83	49-132	7	15	
1,2-Dichlorobenzene	0.0595	0.0064	mg/kg dry	0.06383	BRL	93	42-130	6	21	
1,2-Dichloroethane	0.0454	0.0064	mg/kg dry	0.06383	BRL	71	51-131	6	13	
1,2-Dichloropropane	0.0464	0.0064	mg/kg dry	0.06383	BRL	73	55-138	6	16	
1,3,5-Trimethylbenzene	0.0605	0.0064	mg/kg dry	0.06383	BRL	95	44-140	10	29	
1,3-Dichlorobenzene	0.0573	0.0064	mg/kg dry	0.06383	BRL	90	41-129	7	24	
1,3-Dichloropropane	0.0501	0.0064	mg/kg dry	0.06383	BRL	78	53-129	6	15	
1,4-Dichlorobenzene	0.0559	0.0064	mg/kg dry	0.06383	BRL	88	44-134	8	21	
2,2-Dichloropropane	0.0430	0.0064	mg/kg dry	0.06383	BRL	67	30-147	8	20	
2-Chlorotoluene	0.0624	0.0064	mg/kg dry	0.06383	BRL	98	46-132	8	29	
4-Chlorotoluene	0.0609	0.0064	mg/kg dry	0.06383	BRL	95	44-135	9	23	
4-Isopropyltoluene	0.0601	0.0064	mg/kg dry	0.06383	BRL	94	32-144	8	22	
Acetone	0.0860	0.064	mg/kg dry	0.1277	0.0682	14	34-143	2	49	M
Benzene	0.0464	0.0038	mg/kg dry	0.06383	BRL	73	60-135	7	20	
Bromobenzene	0.0629	0.0064	mg/kg dry	0.06383	BRL	99	45-135	8	25	
Bromochloromethane	0.0432	0.0064	mg/kg dry	0.06383	BRL	68	55-136	8	18	
Bromodichloromethane	0.0458	0.0064	mg/kg dry	0.06383	BRL	72	55-127	7	17	
Bromoform	0.0468	0.0064	mg/kg dry	0.06383	BRL	73	40-136	4	35	
Bromomethane	0.0202	0.013	mg/kg dry	0.06383	BRL	32	30-137	34	30	D
Carbon Tetrachloride	0.0443	0.0064	mg/kg dry	0.06383	BRL	69	48-153	8	23	
Chlorobenzene	0.0514	0.0064	mg/kg dry	0.06383	BRL	81	57-125	9	14	
Chloroethane	0.0661	0.013	mg/kg dry	0.06383	BRL	104	16-177	8	47	
Chloroform	0.0469	0.0064	mg/kg dry	0.06383	BRL	74	56-137	7	18	
Chloromethane	0.0299	0.0064	mg/kg dry	0.06383	BRL	47	40-145	10	26	
cis-1,2-Dichloroethylene	0.0469	0.0064	mg/kg dry	0.06383	BRL	73	58-140	7	28	
cis-1,3-Dichloropropylene	0.0455	0.0064	mg/kg dry	0.06383	BRL	71	42-135	6	32	
Dibromochloromethane	0.0508	0.0064	mg/kg dry	0.06383	BRL	80	49-127	5	24	
Dichlorodifluoromethane	0.0551	0.0064	mg/kg dry	0.06383	BRL	86	25-151	8	37	
Ethylbenzene	0.0521	0.0064	mg/kg dry	0.06383	BRL	82	44-144	8	19	
Isopropyl Ether	0.0456	0.0064	mg/kg dry	0.06383	BRL	71	51-155	7	13	
Isopropylbenzene (Cumene)	0.0603	0.0064	mg/kg dry	0.06383	BRL	94	41-140	9	27	
m,p-Xylenes	0.106	0.013	mg/kg dry	0.1277	BRL	83	36-148	8	20	
Methyl Butyl Ketone (2-Hexanone)	0.0496	0.064	mg/kg dry	0.06383	BRL	78	30-147	4	42	J
Methyl Ethyl Ketone (2-Butanone)	0.0384	0.13	mg/kg dry	0.06383	BRL	60	24-160	5	42	J
Methyl Isobutyl Ketone	0.0434	0.064	mg/kg dry	0.06383	BRL	68	25-163	6	44	J

ECS Carolinas, LLP (Greensboro)
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Project: NCDOT Highpoint Pump Station
U-2412A
Project No: WBS # 34802.1.1

Prism Work Order: 7100008
Time Submitted: 9/29/2017 12:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7J0085 - 5035										
Matrix Spike Dup (P7J0085-MSD1)		**Source: 7100008-01**		Prepared & Analyzed: 10/05/17						
Methylene Chloride	0.0458	0.013	mg/kg dry	0.06383	BRL	72	53-144	7	14	
Methyl-tert-Butyl Ether	0.0481	0.013	mg/kg dry	0.06383	BRL	75	49-135	2	22	
Naphthalene	0.0535	0.013	mg/kg dry	0.06383	BRL	84	32-127	5	44	
n-Butylbenzene	0.0587	0.0064	mg/kg dry	0.06383	BRL	92	23-148	9	39	
n-Propylbenzene	0.0598	0.0064	mg/kg dry	0.06383	BRL	94	35-144	8	27	
o-Xylene	0.0522	0.0064	mg/kg dry	0.06383	BRL	82	43-143	8	17	
sec-Butylbenzene	0.0595	0.0064	mg/kg dry	0.06383	BRL	93	34-144	8	28	
Styrene	0.0551	0.0064	mg/kg dry	0.06383	BRL	86	42-132	8	28	
tert-Butylbenzene	0.0583	0.0064	mg/kg dry	0.06383	BRL	91	36-150	8	29	
Tetrachloroethylene	0.0393	0.0064	mg/kg dry	0.06383	BRL	62	47-142	7	26	
Toluene	0.0488	0.0064	mg/kg dry	0.06383	BRL	76	57-135	9	22	
trans-1,2-Dichloroethylene	0.0464	0.0064	mg/kg dry	0.06383	BRL	73	58-141	9	18	
trans-1,3-Dichloropropylene	0.0421	0.0064	mg/kg dry	0.06383	BRL	66	41-124	7	20	
Trichloroethylene	0.0422	0.0064	mg/kg dry	0.06383	BRL	66	38-164	9	18	
Trichlorofluoromethane	0.0607	0.0064	mg/kg dry	0.06383	BRL	95	30-157	8	27	
Vinyl acetate	0.0284	0.032	mg/kg dry	0.06383	BRL	44	61-154	19	35	M, J
Vinyl chloride	0.0510	0.0064	mg/kg dry	0.06383	BRL	80	40-156	3	35	
Xylenes, total	0.158	0.019	mg/kg dry	0.1915	BRL	82	36-148	8	20	
Surrogate: 4-Bromofluorobenzene	*50.7*		*ug/L*	*50.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*50.4*		*ug/L*	*50.00*		*101*	*84-123*			
Surrogate: Toluene-d8	*58.0*		*ug/L*	*50.00*		*116*	*76-129*			

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Project: NCDOT Highpoint Pump Station
U-2412A
Project No: WBS # 34802.1.1

Prism Work Order: 7100008
Time Submitted: 9/29/2017 12:45:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7J0025 - 3050B										
Blank (P7J0025-BLK1)				Prepared: 10/03/17 Analyzed: 10/04/17						
Arsenic	BRL	0.25	mg/kg wet							
Barium	BRL	0.50	mg/kg wet							
Cadmium	BRL	0.25	mg/kg wet							
Chromium	BRL	0.25	mg/kg wet							
Lead	BRL	0.25	mg/kg wet							
Selenium	BRL	0.50	mg/kg wet							
Silver	BRL	0.25	mg/kg wet							
LCS (P7J0025-BS1)				Prepared: 10/03/17 Analyzed: 10/04/17						
Arsenic	26.1	0.25	mg/kg wet	25.00		104	80-120			
Barium	27.0	0.50	mg/kg wet	25.00		108	80-120			
Cadmium	25.6	0.25	mg/kg wet	25.00		102	80-120			
Chromium	26.5	0.25	mg/kg wet	25.00		106	80-120			
Lead	25.7	0.25	mg/kg wet	25.00		103	80-120			
Selenium	25.0	0.50	mg/kg wet	25.00		100	80-120			
Silver	10.7	0.25	mg/kg wet	10.00		107	80-120			
Batch P7J0098 - 7471B										
Blank (P7J0098-BLK1)				Prepared & Analyzed: 10/06/17						
Mercury	BRL	0.020	mg/kg wet							
LCS (P7J0098-BS1)				Prepared & Analyzed: 10/06/17						
Mercury	0.446	0.020	mg/kg wet	0.4167		107	80-120			
Batch P7J0099 - 7471B										
Blank (P7J0099-BLK1)				Prepared & Analyzed: 10/06/17						
Mercury	BRL	0.020	mg/kg wet							

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Prism Work Order: 7100008
Time Submitted: 9/29/2017 12:45:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7J0099 - 7471B										
LCS (P7J0099-BS1)				Prepared & Analyzed: 10/06/17						
Mercury	0.492	0.020	mg/kg wet	0.4167		118	80-120			
Matrix Spike (P7J0099-MS1)		**Source: 7100008-07**		Prepared & Analyzed: 10/06/17						
Mercury	0.551	0.025	mg/kg dry	0.5141	0.00606	106	80-120			
Matrix Spike Dup (P7J0099-MSD1)		**Source: 7100008-07**		Prepared & Analyzed: 10/06/17						
Mercury	0.547	0.025	mg/kg dry	0.5141	0.00606	105	80-120	0.6	20	
Batch P7J0127 - 7471B										
Blank (P7J0127-BLK1)				Prepared & Analyzed: 10/09/17						
Mercury	BRL	0.020	mg/kg wet							
LCS (P7J0127-BS1)				Prepared & Analyzed: 10/09/17						
Mercury	0.434	0.020	mg/kg wet	0.4167		104	80-120			
Matrix Spike (P7J0127-MS1)		**Source: 7100008-12**		Prepared & Analyzed: 10/09/17						
Mercury	0.934	0.027	mg/kg dry	0.5664	0.375	99	80-120			
Matrix Spike Dup (P7J0127-MSD1)		**Source: 7100008-12**		Prepared & Analyzed: 10/09/17						
Mercury	0.967	0.029	mg/kg dry	0.5962	0.375	99	80-120	3	20	

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General Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7J0078 - Solids, Dry Weight										
Duplicate (P7J0078-DUP1)		**Source: 7100008-06**		Prepared & Analyzed: 10/04/17						
% Solids	83.5	0.100	% by Weight		84.4			1	20	

Sample Extraction Data

Prep Method: Solids, Dry Weight

Lab Number	Batch	Initial	Final	Date/Time
7100008-01	P7J0078	30 g	30 g	10/04/17 15:00
7100008-02	P7J0078	30 g	30 g	10/04/17 15:00
7100008-03	P7J0078	30 g	30 g	10/04/17 15:00
7100008-04	P7J0078	30 g	30 g	10/04/17 15:00
7100008-05	P7J0078	30 g	30 g	10/04/17 15:00
7100008-06	P7J0078	30 g	30 g	10/04/17 15:00
7100008-07	P7J0078	30 g	30 g	10/04/17 15:00
7100008-08	P7J0078	30 g	30 g	10/04/17 15:00
7100008-09	P7J0078	30 g	30 g	10/04/17 15:00
7100008-10	P7J0078	30 g	30 g	10/04/17 15:00
7100008-11	P7J0078	30 g	30 g	10/04/17 15:00
7100008-12	P7J0078	30 g	30 g	10/04/17 15:00
7100008-13	P7J0078	30 g	30 g	10/04/17 15:00
7100008-14	P7J0078	30 g	30 g	10/04/17 15:00
7100008-15	P7J0078	30 g	30 g	10/04/17 15:00
7100008-16	P7J0078	30 g	30 g	10/04/17 15:00
7100008-17	P7J0078	30 g	30 g	10/04/17 15:00

Prep Method: 3050B

Lab Number	Batch	Initial	Final	Date/Time
7100008-01	P7J0025	2.44 g	50 mL	10/03/17 8:10
7100008-02	P7J0025	2.31 g	50 mL	10/03/17 8:10
7100008-02	P7J0025	2.31 g	50 mL	10/03/17 8:10
7100008-03	P7J0025	2.35 g	50 mL	10/03/17 8:10
7100008-04	P7J0025	2.06 g	50 mL	10/03/17 8:10
7100008-05	P7J0025	2.27 g	50 mL	10/03/17 8:10
7100008-06	P7J0025	2.2 g	50 mL	10/03/17 8:10
7100008-07	P7J0025	2.32 g	50 mL	10/03/17 8:10
7100008-07	P7J0025	2.32 g	50 mL	10/03/17 8:10
7100008-08	P7J0025	2.12 g	50 mL	10/03/17 8:10
7100008-09	P7J0025	2.45 g	50 mL	10/03/17 8:10
7100008-10	P7J0025	2.17 g	50 mL	10/03/17 8:10
7100008-11	P7J0025	2.01 g	50 mL	10/03/17 8:10
7100008-12	P7J0025	2.43 g	50 mL	10/03/17 8:10
7100008-13	P7J0025	2.29 g	50 mL	10/03/17 8:10
7100008-14	P7J0025	2.48 g	50 mL	10/03/17 8:10
7100008-15	P7J0025	2.37 g	50 mL	10/03/17 8:10
7100008-16	P7J0025	2.49 g	50 mL	10/03/17 8:10
7100008-17	P7J0025	2.28 g	50 mL	10/03/17 8:10
7100008-17	P7J0025	2.28 g	50 mL	10/03/17 8:10

Prep Method: 7471B

Lab Number	Batch	Initial	Final	Date/Time
7100008-01	P7J0098	0.64 g	50 mL	10/06/17 8:52
7100008-02	P7J0098	0.59 g	50 mL	10/06/17 8:52
7100008-03	P7J0098	0.65 g	50 mL	10/06/17 8:52
7100008-04	P7J0098	0.61 g	50 mL	10/06/17 8:52
7100008-05	P7J0098	0.61 g	50 mL	10/06/17 8:52
7100008-06	P7J0098	0.57 g	50 mL	10/06/17 8:52
7100008-07	P7J0099	0.6 g	50 mL	10/06/17 8:52
7100008-08	P7J0099	0.57 g	50 mL	10/06/17 8:52
7100008-09	P7J0099	0.55 g	50 mL	10/06/17 8:52
7100008-10	P7J0099	0.57 g	50 mL	10/06/17 8:52
7100008-11	P7J0099	0.59 g	50 mL	10/06/17 8:52
7100008-12	P7J0127	0.59 g	50 mL	10/09/17 8:10

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Sample Extraction Data

Prep Method: 7471B

Lab Number	Batch	Initial	Final	Date/Time
7100008-13	P7J0127	0.64 g	50 mL	10/09/17 8:10
7100008-14	P7J0127	0.65 g	50 mL	10/09/17 8:10
7100008-15	P7J0127	0.57 g	50 mL	10/09/17 8:10
7100008-16	P7J0127	0.65 g	50 mL	10/09/17 8:10
7100008-17	P7J0127	0.65 g	50 mL	10/09/17 8:10

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date/Time
7100008-01	P7J0085	6.78 g	5 mL	10/05/17 9:35
7100008-02	P7J0085	7.12 g	5 mL	10/05/17 9:35
7100008-03	P7J0085	7.35 g	5 mL	10/05/17 9:35
7100008-04	P7J0085	6.15 g	5 mL	10/05/17 9:35
7100008-06	P7J0085	5.37 g	5 mL	10/05/17 9:35
7100008-07	P7J0085	7.13 g	5 mL	10/05/17 9:35
7100008-08	P7J0085	6.12 g	5 mL	10/05/17 9:35
7100008-10	P7J0085	6.64 g	5 mL	10/05/17 9:35
7100008-11	P7J0085	7.27 g	5 mL	10/05/17 9:35
7100008-12	P7J0085	4.21 g	5 mL	10/05/17 9:35
7100008-13	P7J0085	4.98 g	5 mL	10/05/17 9:35
7100008-14	P7J0085	6.7 g	5 mL	10/05/17 9:35
7100008-15	P7J0085	6.49 g	5 mL	10/05/17 9:35
7100008-16	P7J0085	7.2 g	5 mL	10/05/17 9:35
7100008-17	P7J0085	7.63 g	5 mL	10/05/17 9:35

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

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449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING: ______

Project Name: NCDOT
Short Hold Analysis: (Yes) (No) — No circled
UST Project: (Yes) (NO) — NO circled
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: Same
Address: ______

Client Company Name: ECS
Report To/Contact Name: Randy Cevallos
Reporting Address: 1811 [illegible] Blvd, Greensboro NC 27407
Phone: 336 856 7150 Fax (Yes) (No): ______
Email Address: rcevallos@ecslimited.com
EDD Type: PDF ✓ Excel ___ Other ___
Site Location Name: High Point
Site Location Physical Address: Pump Station

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?			✓
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: IRT-7 Observed: 3.0 °C / Corr: 2.5 °C

Purchase Order No./Billing Reference ______
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☐ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC___ DoD___ FL___ NC___ SC___ OTHER___ N/A___
Water Chlorinated: YES___ NO___
Sample Iced Upon Collection: YES___ NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	*TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	8260	RCRA metals					REMARKS	PRISM LAB ID NO.
GP-1	9/26/17	955	soil	CG, VOA	5	40ml, 4oz	Sodium Bisulfate, Methanol	✓	✓						01
GP-2	↓	1015	↓	↓	↓	↓	↓	✓	✓						02
GP-3	↓	1030	↓	↓	↓	↓	↓	✓	✓						03
GP-4	↓	1108	↓	↓	↓	↓	↓	✓	✓						04
BG-1	↓	1115	↓	↓	1	4oz	↓		✓						05
GP-5	↓	1133	↓	↓	5	40ml, 4oz	↓	✓	✓						06
GP-6	↓	1155	↓	↓	↓	↓	↓	✓	✓						07
GP-7	↓	1215	↓	↓	↓	↓	↓	✓	✓						08
BG-2	↓	1225	↓	↓	1	4oz	↓		✓						09
GP-8	↓	1240	↓	↓	5	40ml, 4oz	↓	✓	✓						10

Sampler's Signature ______ Sampled By (Print Name) ______ Affiliation ______

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
[signature]	[signature]	9-29-17	1055
[signature]	Received For Prism Laboratories By: [signature]	9-29-17	1245

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☐ Other ______

COC Group No. 7100008

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___

SEE REVERSE FOR TERMS & CONDITIONS

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

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449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Project Name: NCDOT
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (NO)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: Sam
Address:

Client Company Name: ECS
Report To/Contact Name: Rocky Covill
Reporting Address:

Phone: 336 856 7150 Fax (Yes) (No):
Email Address:
EDD Type: PDF ✓ Excel ___ Other ___
Site Location Name: High Point
Site Location Physical Address: Pump Station

Purchase Order No./Billing Reference
Requested Due Date ❑ 1 Day ❑ 2 Days ❑ 3 Days ❑ 4 Days ❑ 5 Days
"Working Days" ❑ 6-9 Days ❑ Standard 10 days ❑ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?			✓
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: IRT-1 Observed: 3.0 °C / Corr: 2.5 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC___ DoD___ FL___ NC___ SC___ OTHER___ N/A___
Water Chlorinated: YES___ NO___
Sample Iced Upon Collection: YES___ NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	*TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	8260	RCRA metals					REMARKS	PRISM LAB ID NO.
GP-9	9/26/17	1255	Soil	4oz Vok	5		NaHSO4 MeOH	✓	✓						11
GP-10	↓	1314	↓	↓	↓		↓	✓	✓						12
GP-11	↓	1335	↓	↓	↓		↓	✓	✓						13
GP-12	↓	1405	↓	↓	↓		↓	✓	✓						14
GP-13	↓	1428	↓	↓	↓		↓	✓	✓						15
GP-14	↓	1530	↓	↓	↓		↓	✓	✓						16
GP-15	↓	1615	↓	↓	↓		↓	✓	✓						17

Sampler's Signature ___ Sampled By (Print Name) ___ Affiliation ___

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
	[signature]	9-29-17	1055
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature) [signature]	Received For Prism Laboratories By: [signature]	9-29-17	1245

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
❑ Fed Ex ❑ UPS ❑ Hand-delivered ❑ Prism Field Service ❑ Other ___

COC Group No. 7100008

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES: ❑ NC ❑ SC ❑ | UST: ❑ NC ❑ SC ❑ | GROUNDWATER: ❑ NC ❑ SC ❑ | DRINKING WATER: ❑ NC ❑ SC ❑ | SOLID WASTE: ❑ NC ❑ SC ❑ | RCRA: ❑ NC ❑ SC ❑ | CERCLA ❑ NC ❑ SC ❑ | LANDFILL ❑ NC ❑ SC ❑ | OTHER: ❑ NC ❑ SC ❑

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

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