5400 Glenwood Avenue, Suite 400
Raleigh, North Carolina 27612
tel: 919 325-3500
fax: 919 781-5730

March 31, 2016

Mr. Thomas Slusser
North Carolina Department of Environmental Quality
Division of Waste Management
Pre-Regulatory Landfill Unit
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Subject: Remedial Investigation - Initial Contaminant Identification and Delineation Activities
Clayton Ball Field
Clayton, Johnston County, North Carolina
Site Identification Number: NCD980844732
Task Order 4732DP

Dear Mr. Slusser:

CDM Smith Inc. (CDM Smith) is pleased to submit this Remedial Investigation - Initial Contaminant Identification and Delineation Activities report for the Clayton Ball Field (Site) located in Clayton, Johnston County, North Carolina, as part of Task Order 4732DP. The investigation was performed in accordance with the Work Plan approved by the North Carolina Department of Environmental Quality's (NCDEQ) Division of Waste Management - Superfund Section - Inactive Hazardous Sites Branch - Pre-Regulatory Landfill Unit on February 3, 2016, and CDM Smith's Standard Operating Procedures and Quality Assurance manual.

Field activities were completed from February 17-18, 2016, as summarized in the notes provided in **Appendix A**. Drilling and laboratory services were performed by North Carolina certified subcontractors. Field activities, Work Plan variances, and investigation results are discussed below.

Waste Disposal Boundary Delineation

Twenty-five initial borings, B-1 through -25, and thirty-two offset borings were advanced from February 17-18, 2016, to confirm the waste disposal boundary delineated by a geophysical survey. The estimated waste boundary based on this investigation and boring locations are shown on **Figure 1**. The borings were advanced by a Geoprobe® drill rig using solid-flight augers, with the exception of B-1 through -10 and -22 through -25. These borings were advanced using a hand auger due to wet Site conditions and inaccessibility by the drill rig. Hand augering borings was a variance of the Work Plan.

All borings were advanced until waste was encountered or to a maximum depth of 10 feet below ground surface (bgs). Additional borings were offset towards or away from the initial boring

depending on the presence or absence of waste. The cover soil thickness at each boring location was recorded as well as a description of waste encountered. Photoionization detector (PID) measurements were collected from the cover soil and top of waste. The PID was calibrated daily prior to screening the waste delineation borings in accordance with the manufacturer's instructions. The waste boundary delineation results are summarized in **Table 1**.

Cover soil thickness at boring locations where waste was present ranged from no cover soil at borings B-4 and -4A to 6 feet at boring B-20A. Total volatile organic compounds (VOCs) were not detected in the cover soil for a majority of the borings. Total VOCs were measured in borings B-8B and -10B at 3.8 and 0.3 parts per million (ppm) respectively. No waste was encountered in these borings. Total VOCs were measured at 0.4 ppm in the cover soil for boring B-10A, which is the same concentration measured in waste. Waste was encountered at 1-foot bgs at B-10A.

Waste encountered in the borings consisted of fabric, plastic, metal, glass, tires, batteries, nails, black fibers, concrete, Styrofoam, and fibrous material. Total VOCs measured at the top of waste ranged from 0 to 68.0 ppm. The 68.0 ppm measurement was from boring B-6 where waste was encountered at 0.5 feet bgs. A strong solvent odor was observed in waste at this boring location.

The geophysical survey results indicated that waste may be located on the parcel south of the Site (Parcel Identification Number (PIN) 4170110) and beneath City Road located to the west. Waste delineation borings B-13 and -19A were advanced near the southern Site property boundary and borings B-21 and -22A were advanced in the right-of-way of City Road. The presence of waste in all of these borings indicates that waste may be located beneath City Road and on PIN 4170110.

In general, the geophysical survey results were comparable to the waste delineation results with the exception of several areas. Waste was encountered further to the east than what the geophysical survey indicated. The geophysical survey indicated the presence of waste where borings B-15 and -16 were advanced. No waste was encountered in these borings or offset borings B-15B and -16A. Additional offset borings were not advanced because of the ball field. The offset boring for B-18, B-18A, was advanced to confirm a gap in the waste disposal area shown by the geophysical survey. Waste was encountered in both borings. Additional gaps in the waste disposal area were shown by the geophysical survey between borings B-16 and -17 and B-23 and -24. Although these gaps may exist based on the spacing of the borings, they are not shown on Figure 1 in the interpretation of the estimated waste disposal boundary.

No offsets were advanced for borings B-2, -3A, or -4A due to the proximity of the unnamed tributary of the Neuse River. Note that waste was present at the surface in boring locations B-4 and -4A. These borings were advanced within a stormwater drainage feature.

Aboveground Vapor Screening

The potential for aboveground vapors was evaluated by measuring landfill gas (LFG) across the waste disposal area using a 50 foot grid as shown on **Figure 2**. Measurements of methane, oxygen, carbon dioxide, hydrogen sulfide, and VOCs were collected at each location using a Landtec GEM 2000 Plus (GEM) and a PID. The GEM and PID were calibrated prior to initiating the screening in accordance with the manufacturer's instructions. Bump tests were conducted periodically during the screening to

verify instrument calibration. Calibration and bump test results are provided in the field notes in Appendix A. Barometric pressure, ambient temperature, and humidity were recorded hourly during the screening and those measurements are also provided in Appendix A.

No methane, hydrogen sulfide, or VOCs were detected at any of the aboveground screening locations. LFG measurements were collected three to six inches above ground surface following an instrument operation period of approximately 30 seconds at each location. A total of 177 locations were screened as shown on Figure 2.

Surface Water, Sediment, and Seep Investigation

Surface water and sediment samples from SW/SED-1, -2, -3, and -4 were collected on February 17, 2016, from an unnamed tributary of the Neuse River at the locations shown on Figure 1. The sediment samples were collected from the same location as the surface water samples. Samples were collected in a downstream-to-upstream order starting with sample location SW/SED-4.

Prior to sample collection, each surface water location was measured for pH, conductivity, turbidity, and temperature using a YSI-63 multi-parameter water quality meter and a HANNA HI 98703 turbidity meter. Both water quality meters were calibrated in accordance with the manufacturer's instructions prior to collecting measurements. Water quality measurements at the time of sample collection are provided in **Table 2**.

Each surface water sample was analyzed for VOCs by U.S. Environmental Protection Agency (EPA) Method 8260B, 1,4-dioxane by EPA Method 8260B selective ion monitoring, semi-VOCs (SVOCs) by EPA Method 8270D, 14 metals (i.e. antimony, arsenic, beryllium, cadmium, chromium, copper, iron, lead, manganese, nickel, selenium, silver, thallium, and zinc) by EPA Method 6020A, mercury by EPA Method 7470A, ammonia by Standard Method 4500, and nitrate and sulfate by EPA Method 9056A. Tentatively Identified Compounds (TICs) for the largest 10 peaks identified by the 8260B and 8270D analyses were also reported.

No VOCs, SVOCs, or TICS were detected in the surface water samples above the laboratory method detection limits. No general chemistry analytes were detected above the 15A NCAC 02B (NC 2B) Surface Water Standards for Class C waters. Samples collected from SW-1 through -4 had detections of lead above the NC 2B Surface Water Standard. Silver was detected in samples collected from SW-1 through -3 above the NC 2B Surface Water Standard. The surface water analytical results are summarized in **Table 3**.

The sediment samples were analyzed for the same parameters as the surface water samples using identical analytical methods, with the exception of mercury. Mercury was analyzed using EPA Method 7471B. No VOCs, SVOCs, TICs, or general chemistry analytes were detected above the Residential Health-Based Preliminary Soil Remediation Goals (PSRGs). No metals were detected above the Industrial PSRGs. Metals that were detected above their respective Residential PSRGs are provided below.

- Arsenic SED-4

- Iron SED-2, -3, and -4
- Manganese SED-3 and -4
- Thallium SED-2

Sediment sample results are summarized in **Table 4.** Surface water and sediment sample results exceeding the standards are shown on **Figure 3**. The laboratory analytical data reports for the surface water and sediment samples are provided in **Appendix B**.

The waste disposal area was inspected for groundwater seeps. No groundwater seeps were identified within the waste disposal area of within stormwater drainage features located adjacent to the estimated waste disposal boundary.

Survey

Underground utilities were marked by North Carolina One Call prior to initiating drilling activities. Northing and easting coordinates were collected from the aboveground LFG screening locations, waste delineation borings, and from the surface water and sediment sample locations using a Trimble GeoXH handheld Global Positioning System (GPS) unit. Additionally, GPS coordinates were collected along the estimated waste disposal boundary approximately every 50 feet upon the completion of delineation activities. All GPS coordinates are reported in decimal degrees to the seventh order using the North American Datum of 1983 with accuracy in the thousandths of a meter following differential correction. Latitude and longitude is also reporting using the World Geodetic System 1984 format.

GPS coordinates for the waste delineation borings are provided in Table 1 and coordinates for the surface water and sediment sample locations are provided in Table 2. GPS coordinates were used to show the aboveground screening locations on Figure 2 but were not tabulated because there were no detections of hydrogen sulfide, methane, or total VOCs. GPS coordinates for the estimated waste disposal boundary are provided in **Table 5**.

Quality Control/Quality Assurance

Upon collection, all samples were labeled and placed in a chilled cooler. Standard chain-of-custody procedures were followed to document the handling of the samples. The laboratory analytical results were evaluated by CDM Smith to confirm the validity of the data and were determined to be useable. The laboratory data evaluation is provided in Appendix B.

The analytical results were reported to the laboratory specific method detection limit (MDL) and are quantifiable at or below the practical quantification limit. Surface water and sediment samples with detections above the MDL but below the reporting limit were qualified as estimated or “J” flags in the laboratory data reports.

No analytes were detected in the trip blank. A duplicate surface water and sediment sample was collected from SW-3 and SED-3, respectively, for laboratory quality control. In general, the relative percent difference (RPD) between the parent and the duplicate samples showed good laboratory precision. The RPD results for several analytes widely varied indicating potential influence from the

homogeneity of the matrix, turbidity, sampling or laboratory procedures, or laboratory instrumentation.

An equipment rinsate blank was collected from the stainless steel scoop and bowl used to collect sediment samples to verify that decontamination of the sampling equipment was achieved. Distilled water was used to collect the equipment rinsate blank and the samples were analyzed for the same parameters as the surface water samples. Cadmium, chromium, iron, lead, manganese, nickel, silver, thallium, and zinc were detected in the equipment rinsate blank below their respective NC 2B Surface Water Standard.

Investigative-Derived Waste

Investigative-derived waste (IDW) was generated during drilling activities and consisted of soil and waste cuttings. The drill cuttings were deemed non-hazardous and were used to backfill the boring from which they came. Hydrated bentonite chips were used for backfill in instances where there was not enough material to backfill flush with the surrounding land elevation. Spent personal protective equipment and sampling supplies were disposed of in a dumpster at the CDM Smith office.

Report Certification

The report certification as specified in the *Inactive Hazardous Sites Program, Guidelines for Addressing Pre-Regulatory Landfills & Dumps, November 2015* is provided in **Appendix C**.

Sole Use Statement

This report is solely intended for use by the NCDEQ for the services that were performed in accordance with CDM Smith's proposal dated January 28, 2016, as authorized by NCDEQ Task Order 4732DP dated February 3, 2016.

If you have any questions or require further explanation, do not hesitate to call me at (919) 325-3532.

Very truly yours,

Aaron M. Weispfenning, P.E.
CDM Smith Inc.

cc: Mat Colone, CDM Smith
Daniel Forbes, CDM Smith

Photo Log

B-4 Exposed Waste

B-4 Exposed Waste

B-11 Before Drilling

B-11 Restoration

B-12 and -13 Before Drilling

B-12 and -13 Restoration

B-18 Before and After Drilling

B-19 Before and After Drilling

B-20 and -21 Before and After Drilling

Tables

Table 1
Waste Delineation Summary
Clayton Ball Field
Clayton, Johnston County, North Carolina

Waste Delineation Boring Code	Northing	Easting	Latitude	Longitude	Estimated Cover Soil Thickness (feet bgs)	Total VOCs Measured in Waste (ppm)	Waste Present (Yes/No)	Waste Description
B-1	697733.54	2160535.68	35.66593	78.45952	0.5	0.0	Yes	Fabric
B-1A	697758.65	2160538.30	35.66600	78.45951	10	0.0	No	--
B-2	697723.43	2160642.95	35.66590	78.45916	1	0.0	Yes	Plastic, Metal, and Glass
B-3	697664.28	2160742.86	35.66574	78.45882	1	0.0	Yes	Glass
B-3A	697671.44	2160759.57	35.66576	78.45877	1.5	17.2	Yes	Glass
B-4	697619.56	2160857.69	35.66561	78.45844	0	0.0	Yes	Tires, Glass, Plastic, Fabric, Batteries, and Metal
B-4A	697621.68	2160853.78	35.66562	78.45845	0	0.0	Yes	Glass
B-5	697522.72	2160961.53	35.66534	78.45809	1	10.2	Yes	Glass
B-5A	697558.41	2160966.34	35.66544	78.45807	10	0.0	No	--
B-6	697440.82	2161007.09	35.66512	78.45794	0.5	68.0	Yes	Plastic and Strong Odor
B-6A	697441.68	2161037.23	35.66512	78.45783	0.5	0.0	Yes	Fabric
B-6B	697468.73	2161061.87	35.66519	78.45775	10	0.0	No	--
B-7	697337.07	2161006.43	35.66483	78.45794	1.5	0.0	Yes	Plastic and Fabric
B-7A	697337.03	2161037.67	35.66483	78.45783	0.5	4.6	Yes	Plastic
B-7B	697327.46	2161069.30	35.66481	78.45773	1	8.0	Yes	Glass and Plastic
B-7C	697339.66	2161094.28	35.66484	78.45764	1	5.2	Yes	Nails
B-7D	697369.09	2161161.28	35.66492	78.45742	10	0.0	No	--
B-8A	697272.73	2161168.21	35.66465	78.45740	0.5	0.2	Yes	Plastic
B-8B	697258.08	2161195.86	35.66461	78.45730	10	3.8[(2)]	No	--
B-9A	697187.44	2161173.21	35.66442	78.45738	10	0.0	No	--
B-9B	697198.29	2161125.60	35.66445	78.45754	10	0.0	No	--
B-9C	697221.10	2161087.43	35.66451	78.45767	3	0.0	Yes	Plastic and Fabric
B-10A	697158.64	2161035.79	35.66434	78.45784	1	0.4[(3)]	Yes	Plastic
B-10B	697171.04	2161067.78	35.66438	78.45774	10	0.3[(2)]	No	--
B-11	697092.70	2160883.43	35.66416	78.45836	10	0.0	No	--
B-11A	697097.23	2160870.38	35.66418	78.45840	2	0.0	Yes	Glass
B-12	697078.58	2160778.11	35.66413	78.45871	10	0.0	No	--
B-12A	697095.00	2160774.24	35.66417	78.45873	2	0.0	Yes	Glass and Plastic
B-13	697079.98	2160714.06	35.66413	78.45893	5	0.0	Yes	Glass and Plastic
B-14	697089.10	2160669.66	35.66416	78.45908	10	0.0	No	--
B-14A	697096.78	2160681.37	35.66418	78.45904	10	0.0	No	--
B-14B	697112.85	2160690.37	35.66422	78.45901	10	0.0	No	--
B-14C	697104.86	2160721.67	35.66420	78.45890	10	0.0	No	--
B-14D	697118.58	2160731.56	35.66424	78.45887	2	0.0	Yes	Glass and Black Fibers
B-15	697185.12	2160606.36	35.66442	78.45929	10	0.0	No	--
B-15A	697194.48	2160612.74	35.66445	78.45927	10	0.0	No	--
B-15B	697208.21	2160621.92	35.66449	78.45924	10	0.0	No	--
B-16	697241.03	2160517.14	35.66458	78.45959	10	0.0	No	--
B-16A	697261.80	2160528.37	35.66463	78.45955	10	0.0	No	--
B-17	697181.29	2160463.04	35.66441	78.45977	10	0.0	No	--
B-17A	697202.42	2160458.67	35.66447	78.45979	10	0.0	No	--
B-17B	697216.50	2160457.38	35.66451	78.45979	5	0.0	Yes	Plastic and Concrete
B-18	697185.02	2160363.34	35.66443	78.46011	3	3.4	Yes	Glass and Plastic
B-18A	697185.31	2160342.17	35.66443	78.46018	3	0.0	Yes	Glass and Plastic
B-19	697193.12	2160300.94	35.66445	78.46032	2	0.6	Yes	Metal and Plastic
B-19A	697176.91	2160289.24	35.66440	78.46036	1.5	13.1	Yes	Styrofoam and Plastic
B-20	697294.54	2160276.96	35.66470	78.46033	10	0.0	No	--
B-20A	697283.41	2160297.51	35.66473	78.46040	6	0.0	Yes	Glass and Plastic
B-21	697389.50	2160303.12	35.66499	78.46031	1.5	0.0	Yes	Glass

Table 1
Waste Delineation Summary
Clayton Ball Field
Clayton, Johnston County, North Carolina

Waste Delineation Boring Code	Northing	Easting	Latitude	Longitude	Estimated Cover Soil Thickness (feet bgs)	Total VOCs Measured in Waste (ppm)	Waste Present (Yes/No)	Waste Description
B-22	697464.44	2160336.53	35.66519	78.46019	1.5	0.0	Yes	Glass
B-22A	697442.29	2160317.90	35.66513	78.46026	1	0.0	Yes	Glass
B-23	697577.17	2160380.64	35.66550	78.46004	1.5	0.0	Yes	Glass and Metal Wire
B-23A	697580.97	2160367.41	35.66551	78.46009	10	0.0	No	--
B-24	697637.00	2160479.74	35.66567	78.45971	1	0.0	Yes	Metal Wire
B-24A	697642.24	2160465.37	35.66568	78.45976	0.5	0.0	Yes	Styrofoam and Fabric
B-24B	697634.10	2160434.39	35.66566	78.45986	10	0.0	No	--
B-25	697709.99	2160465.48	35.66587	78.45975	1.5	0.0	Yes	Fibrous Material
B-25A	697716.56	2160439.97	35.66588	78.45984	10	0.0	No	--

Notes:

1. Waste delineation borings were advanced on February 17-18, 2016.
2. (2) - Total volatile organic compounds (VOCs) measured in cover soil.
3. (3) - Total VOCs measured in cover soil and waste.
4. No VOCs were detcted in the cover soil borings with the exception of those noted in the table.
5. bgs - below ground surface
6. ppm - parts per million
7. -- No waste present
8. Northing and Easting Coordinates - North American Datum 1983 State Plane Feet North Carolina
9. Latitude and Longitude Coordinates - World Geodetic System 1984

Table 2
Water Quality Measurements
Clayton Ball Field
Clayton, Johnston County, North Carolina

Surface Water Location	Northing	Easting	Latitude	Longitude	pH (S.U.)	Conductivity (µS/cm)	Temperature (degrees Celsius)	Turbidity (NTUs)
SW-1	697842.08	2160442.48	35.66623	78.45983	8.09	39.0	7.9	9.8
SW-2	697703.37	2160729.57	35.66584	78.45887	8.35	42.6	7.8	9.9
SW-3	697593.98	2160956.58	35.66554	78.45810	8.41	43.0	7.6	9.8
SW-4	697444.97	2161326.09	35.66513	78.45686	8.36	46.2	7.5	9.4

Notes:

1. Surface water measurements and samples were collected on February 17, 2016.
2. Northing and Easting Coordinates - North American Datum 1983 State Plane Feet North Carolina
3. Latitude and Longitude Coordinates - World Geodetic System 1984
4. S.U. - Standard Units
5. µS/cm - Microsiemens per centimeter
6. NTUs - Nephelometric Turbidity Units

Table 3a
Detected Surface Water Constituents - Metals
Clayton Ball Field
Clayton, Johnston County, North Carolina

Surface Water Sample Code	Sample Date	Antimony	Arsenic	Beryllium	Cadmium	Chromium (6)	Copper	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
North Carolina 2B Freshwater Aquatic Life, Human Health, or Water Supply Standard		**5.6*** **	**10** **	**6.5* **	**0.15* **	**24* **	**2.7* **	**NS**	**0.54* **	**NS**	**0.012* **	**16* **	**5* **	**0.06* **	**0.24*** **	**36* **
SW-1	17-Feb-16	0.11	0.49	0.095	0.066	1.7 B	1.8	1,000	0.71	17	--	1.1	--	0.085	0.11	6.2
SW-2	17-Feb-16	0.088	0.67	0.069	0.057	1.8 B	1.8	930	0.71	17	--	1.4	--	0.076	0.096	6.5
SW-3	17-Feb-16	0.082	0.88	0.075	0.064	2.1 B	2.5	1,400	0.88	27	--	2.1	--	0.067	0.081	7.8
SW-3 (dup)	17-Feb-16	--	0.54	--	0.035	2.3 B	1.4	980	0.63	16	--	1.1	--	0.024	0.055	6.1
SW-4	17-Feb-16	0.083	0.75	0.049	0.041	1.8 B	1.5	1,000	0.73	19	0.000076	0.98	--	0.044	0.070	7.3
Rinsate Blank	17-Feb-16	--	--	--	0.039	1.3 B	--	270	0.48	4.2	--	1.0	--	0.025	0.050	3.2

Notes:

1. All units are in micrograms per liter (parts per billion/µg/l).
2. * - Freshwater Aquatic Life Standard
3. ** - Human Health Standard
4. *** - Water Supply Standard
5. NS - No Standard
6. A Standard for total chromium has not been established. The value provided is for chromium (III).
7. Standards obtained from 15A NCAC 02B or are National Criteria per the U.S. Environmental Protection Agency - March 2016
8. B - The analyte was found in the associated blank at a concentration of less than one half of the reporting limit.
9. dup - Duplicate sample

	- Concentration exceeds the North Carolina 2B Freshwater Aquatic Life, Human Health, or Water Supply Standard.
--	- Indicates the result is below the detection limit.

Table 3b
Detected Surface Water Constituents - General Chemistry
Clayton Ball Field
Clayton, Johnston County, North Carolina

Surface Water Sample Code	Sample Date	Ammonia	Nitrate	Sulfate
North Carolina 2B Water Supply Standard		**NS**	**10**	**250**
SW-1	17-Feb-16	--	0.42	6.0
SW-2	17-Feb-16	--	0.43	4.4
SW-3	17-Feb-16	--	0.70	12
SW-3 (dup)	17-Feb-16	--	0.37	4.7
SW-4	17-Feb-16	--	0.41	5.2
Rinsate Blank	17-Feb-16	--	--	--

Notes:

1. All units are in milligrams per liter (parts per million).
2. NS - No Standard
3. Standards obtained from 15A NCAC 02B or are National Criteria per the U.S. Environmental Protection Agency - March 2016
4. dup - Duplicate sample

-- - Indicates the result is below the detection limit.

Table 4a
Detected Sediment Constituents - Metals
Clayton Ball Field
Clayton, Johnston County, North Carolina

Sediment Sample Code	Sample Date	Antimony	Arsenic	Beryllium	Cadmium	Chromium (4)	Copper	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
Health-Based Residential PSRG (3)		**6.2**	**0.68**	**32**	**14**	**24,000**	**620**	**11,000**	**400**	**360**	**1.9**	**300**	**78**	**78**	**0.16**	**4,600**
Health-Based Industrial PSRG (3)		**94**	**3.0**	**460**	**200**	**100,000**	**9,400**	**100,000**	**800**	**5,200**	**3.1**	**4,400**	**1,200**	**1,200**	**2.4**	**70,000**
SED-1	17-Feb-16	--	0.29	--	--	7.3 BH,B	3.9	4,500 B	2.1	61	--	2.9	--	--	--	6.0
SED-2	17-Feb-16	--	0.60	0.60	--	9.1 BH,B	8.7	19,000 B	6.5	230	--	7.3	0.18	--	0.17	29
SED-3	17-Feb-16	--	0.30	0.50	--	24 BH,B	32	23,000 B	1.9	520	--	56	--	--	--	57
SED-3 (dup)	17-Feb-16	--	0.43	0.47	--	20 BH,B	30	20,000 B	2.2	480	--	42	--	--	--	48
SED-4	17-Feb-16	--	1.1	1.4	--	48 BH,B	1.6	50,000 B	8.3	800	--	58	--	--	--	110

Notes:

1. All units are in milligrams per kilogram (parts per million).
2. dup - duplicate sample
3. Inactive Hazardous Sites Branch Preliminary Soil Remediation Goal (PSRG) - September 2015
4. A PSRG for total chromium has not been established. The values provided are for chromium (III), insoluble salts.
5. BH - Method blank is greater than one half of the report limit, but the sample concentrations are greater than 10 times the method blank.
6. B - Analyte was found in the associated blank at a concentration greater than one half of the report limit.

	- Concentration exceeds the Residential PSRG
--	- Indicates the result is below the detection limit

Table 4b
Detected Sediment Constituents - Volatile and Semi-Volatile Organic Compounds
Clayton Ball Field
Clayton, Johnston County, North Carolina

Sediment Sample Code	Sample Date	VOCs	VO TICs	SVOCs	SVO TICs
		Acetone	Hexanal	Di-n-butyl phthalate	Unknown 1
Health-Based Residential PSRG (9)		**12,000**	**NS**	**1,300**	**NS**
Health-Based Industrial PSRG (9)		**100,000**	**NS**	**16,000**	**NS**
SED-1	17-Feb-16	0.017	0.017	--	--
SED-2	17-Feb-16	0.044	--	0.19	--
SED-3	17-Feb-16	0.029	--	--	0.52
SED-3 (dup)	17-Feb-16	0.066	0.023	--	0.84
SED-4	17-Feb-16	0.035	--	--	--

Notes:

1. All units are in milligrams per kilogram (parts per million).
2. dup - Duplicate Sample
3. NS - No Standard
4. VO - Volatile Organic
5. VOCs - Volatile Organic Compounds
6. TICs - Tentatively Identified Compounds
7. SVO - Semi Volatile Organic
8. SVOC - Semi Volatile Organic Compounds
9. Inactive Hazardous Sites Branch Preliminary Soil Remediation Goal (PSRG) - September 2015

-- - Indicates the result is below the detection limit

Table 4c
Detected Sediment Constituents - General Chemistry
Clayton Ball Field
Clayton, Johnston County, North Carolina

Sediment Sample Code	Sample Date	Ammonia	Nitrate	Sulfate
Health-Based Residential PSRG (4)		**NS**	**26,000**	**NS**
Health-Based Industrial PSRG (4)		**NS**	**100,000**	**NS**
SED-1	17-Feb-16	--	--	4.99
SED-2	17-Feb-16	--	10	86.7
SED-3	17-Feb-16	--	--	20.0
SED-3 (dup)	17-Feb-16	--	--	14.4
SED-4	17-Feb-16	--	--	14.1

Notes:

1. All units are in milligrams per kilogram (parts per million).
2. dup - Duplicate Sample
3. NS - No Standard
4. Inactive Hazardous Sites Branch Preliminary Soil Remediation Goal (PSRG) - September 2015

-- - Indicates the result is below the detection limit

Table 5
Estimated Waste Boundary Coordinates
Clayton Ball Field
Clayton, Johnston County, North Carolina

Location	Northing	Easting	Latitude	Longitude
1	697750.67	2160538.66	35.66598	78.45951
2	697741.79	2160587.77	35.66595	78.45934
3	697725.74	2160635.11	35.66591	78.45918
4	697707.85	2160681.80	35.66586	78.45903
5	697689.20	2160728.19	35.66580	78.45887
6	697669.45	2160774.12	35.66575	78.45872
7	697647.76	2160819.16	35.66569	78.45856
8	697622.92	2160862.54	35.66562	78.45842
9	697594.19	2160903.44	35.66554	78.45828
10	697562.44	2160942.05	35.66545	78.45815
11	697528.70	2160978.94	35.66536	78.45803
12	697494.10	2161015.04	35.66526	78.45791
13	697459.65	2161051.28	35.66517	78.45779
14	697425.72	2161088.01	35.66508	78.45766
15	697390.61	2161123.59	35.66498	78.45754
16	697351.55	2161154.68	35.66487	78.45744
17	697306.03	2161174.63	35.66475	78.45737
18	697259.28	2161164.38	35.66462	78.45741
19	697230.32	2161123.86	35.66454	78.45755
20	697199.30	2161084.97	35.66445	78.45768
21	697162.60	2161051.12	35.66435	78.45779
22	697136.05	2161008.97	35.66428	78.45794
23	697117.41	2160962.61	35.66423	78.45809
24	697103.29	2160914.66	35.66419	78.45825
25	697093.30	2160865.69	35.66417	78.45842
26	697087.75	2160816.01	35.66415	78.45859
27	697082.27	2160766.33	35.66414	78.45875
28	697073.26	2160717.17	35.66411	78.45892
29	697110.96	2160727.67	35.66422	78.45888
30	697153.81	2160707.05	35.66433	78.45895
31	697185.52	2160668.42	35.66442	78.45908
32	697215.48	2160628.39	35.66450	78.45922
33	697245.25	2160588.22	35.66459	78.45935
34	697269.81	2160544.86	35.66466	78.45950
35	697258.60	2160499.55	35.66463	78.45965
36	697221.45	2160466.12	35.66452	78.45976
37	697195.32	2160423.89	35.66445	78.45990
38	697181.08	2160376.01	35.66441	78.46007
39	697170.73	2160327.10	35.66439	78.46023
40	697176.83	2160279.57	35.66440	78.46039
41	697225.21	2160276.01	35.66454	78.46040
42	697274.35	2160285.25	35.66467	78.46037

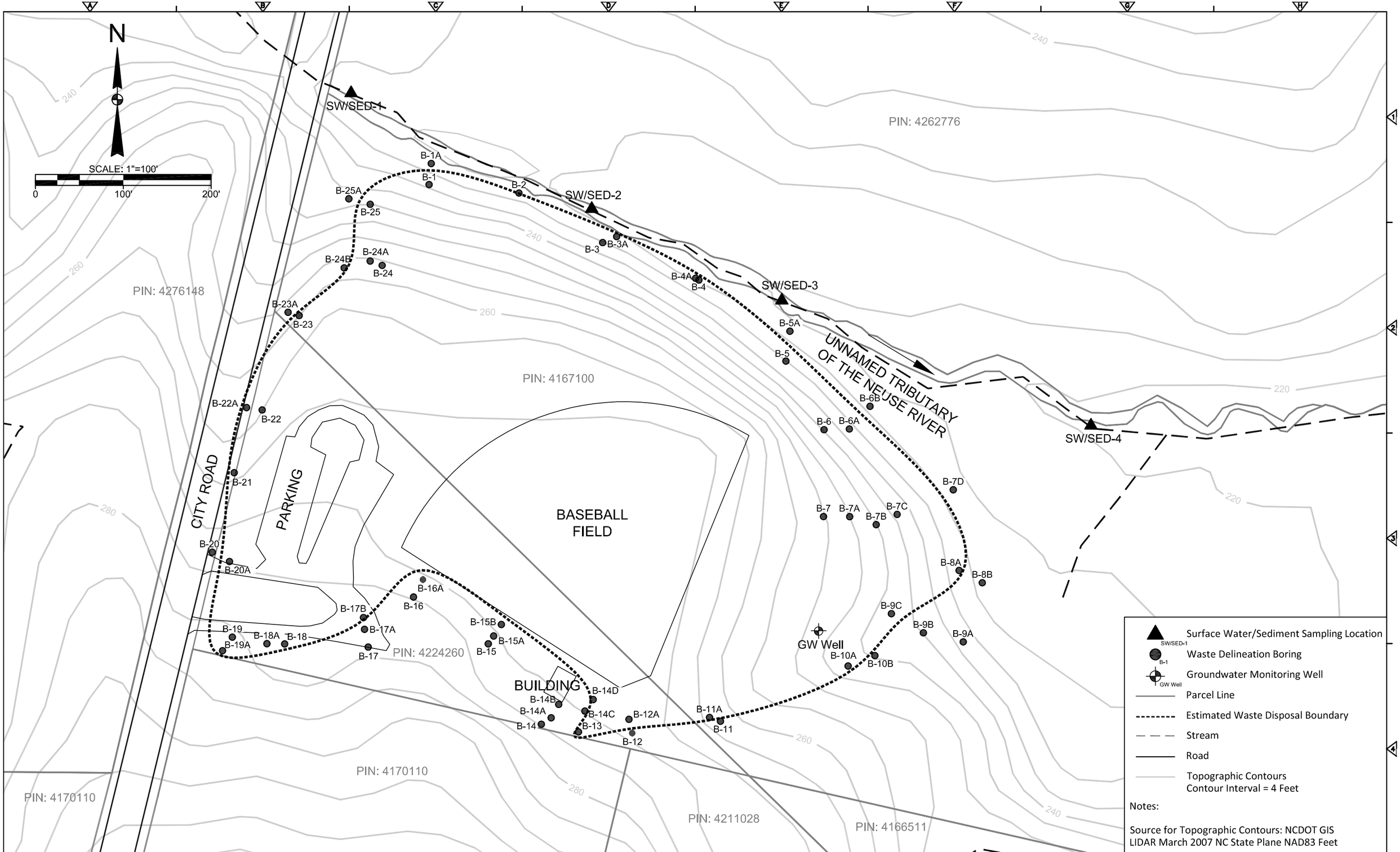
Table 5
Estimated Waste Boundary Coordinates
Clayton Ball Field
Clayton, Johnston County, North Carolina

Location	Northing	Easting	Latitude	Longitude
43	697323.93	2160291.58	35.66481	78.46035
44	697373.80	2160295.06	35.66494	78.46033
45	697423.45	2160300.82	35.66508	78.46031
46	697471.86	2160313.13	35.66521	78.46027
47	697518.08	2160332.06	35.66534	78.46021
48	697560.22	2160358.78	35.66546	78.46012
49	697594.16	2160395.33	35.66555	78.45999
50	697626.82	2160433.04	35.66564	78.45987
51	697673.92	2160446.25	35.66577	78.45982
52	697721.62	2160457.64	35.66590	78.45978
53	697746.39	2160500.10	35.66597	78.45964

Notes:

1. Waste boundary locations start with the northernmost point and proceed in a clockwise direction.
2. Northing and Easting Coordinates - North American Datum 1983 State Plane Feet North Carolina
3. Latitude and Longitude Coordinates - World Geodetic System 1984

Figures



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. WEISPFENNING
DRAWN BY: A. WEISPFENNING
SHEET CHK'D BY: D. FORBES
CROSS CHK'D BY:
APPROVED BY: M. COLONE
DATE: MARCH 2016

CDM Smith
CDM Smith Inc.
5400 Glenwood Avenue, Suite 400
Raleigh, NC 27612 | Tel: (919) 787-5620
NC F-0412

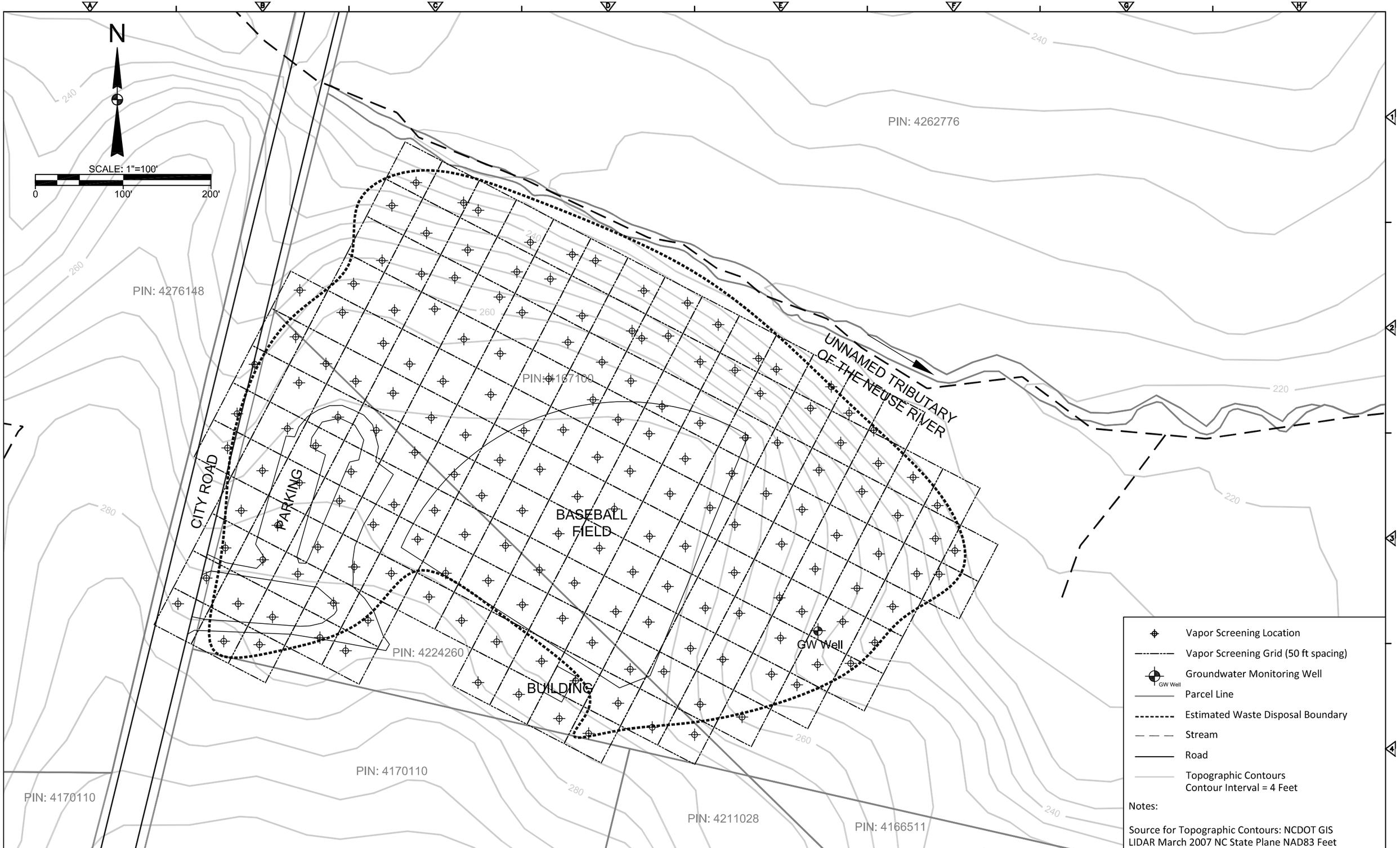
CLAYTON, JOHNSTON COUNTY, NORTH CAROLINA

CLAYTON BALL FIELD
(NCD980844732)

WASTE DISPOSAL BOUNDARY DELINEATION

PROJECT NO. 127844-112905
FILE NAME: FIGURE 1.DWG

FIGURE
1



Notes:

Source for Topographic Contours: NCDOT GIS LIDAR March 2007 NC State Plane NAD83 Feet

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. WEISPFENNING
DRAWN BY: A. WEISPFENNING
SHEET CHK'D BY: D. FORBES
CROSS CHK'D BY:
APPROVED BY: M. COLONE
DATE: MARCH 2016

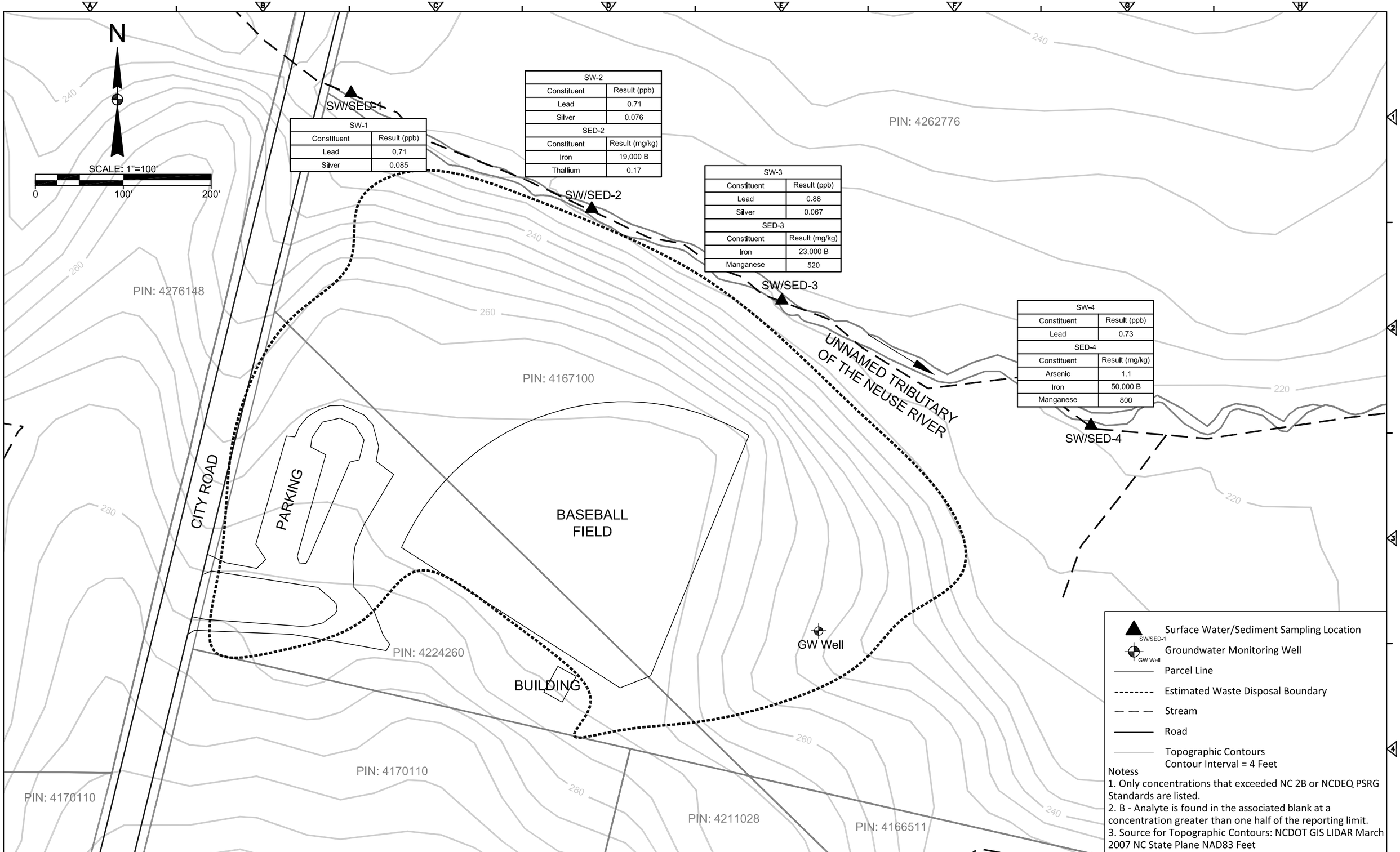
CDM Smith
CDM Smith Inc.
5400 Glenwood Avenue, Suite 400
Raleigh, NC 27612 | Tel: (919) 787-5620
NC F-0412

CLAYTON, JOHNSTON COUNTY, NORTH CAROLINA

CLAYTON BALL FIELD
(NCD980844732)

ABOVEGROUND VAPOR SCREENING LOCATIONS

PROJECT NO. 127844–112905
FILE NAME: FIGURE 2.DWG
FIGURE
2



SW-1	
Constituent	Result (ppb)
Lead	0.71
Silver	0.085

SW-2	
Constituent	Result (ppb)
Lead	0.71
Silver	0.076
SED-2	
Constituent	Result (mg/kg)
Iron	19,000 B
Thallium	0.17

SW-3	
Constituent	Result (ppb)
Lead	0.88
Silver	0.067
SED-3	
Constituent	Result (mg/kg)
Iron	23,000 B
Manganese	520

SW-4	
Constituent	Result (ppb)
Lead	0.73
SED-4	
Constituent	Result (mg/kg)
Arsenic	1.1
Iron	50,000 B
Manganese	800

Notess
1. Only concentrations that exceeded NC 2B or NCDEQ PSRG Standards are listed.
2. B - Analyte is found in the associated blank at a concentration greater than one half of the reporting limit.
3. Source for Topographic Contours: NCDOT GIS LIDAR March 2007 NC State Plane NAD83 Feet

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. WEISPFENNING
DRAWN BY: A. WEISPFENNING
SHEET CHK'D BY: D. FORBES
CROSS CHK'D BY:
APPROVED BY: M. COLONE
DATE: MARCH 2016

CDM Smith
CDM Smith Inc.
5400 Glenwood Avenue, Suite 400
Raleigh, NC 27612 | Tel: (919) 787-5620
NC F-0412

CLAYTON, JOHNSTON COUNTY, NORTH CAROLINA

CLAYTON BALL FIELD
(NCD980844732)

SURFACE WATER AND SEDIMENT ANALYTICAL RESULTS

PROJECT NO. 127844-112905
FILE NAME: FIGURE 1.DWG

FIGURE
1

Appendix A

Field Notes

Clayton Ball Field
Site Identification Number: NCD980844732

17
2-~~10~~-16 45°F P. Cloudy

0630 J. Bauer and M. Darwin depart Raleigh
0715 Arrive onsite
0730 Calibrate equipment
Hach turbidity meter
SN 11090C012118
10.00 NTU → 10.00 pass
20.00 → 20.00
100.00 → 100.00
800.00 → 800.00
YSI 63 SN 06F2502AC
pH: ~~7.0~~ JB 6.88 → 7.00 pass
3.95 → 4.00
9.95 → 10.00
cond 1.400 ms/cm → 1.413 pass
0805 SW/SED-4

pH	T	cond	turb
8.36	7.5	46.2	9.4

0815 Sample SW/SED-4
0836 Collect DUP (dup of SW/SED-3)
0845 SW/SED-3

pH	T	cond	turb
8.41	7.6	43.0	9.8

2-17-16 45°F Cloudy
0850 Collect SW/SED-3
0945 SW/SED-2

pH	T	cond	turb
8.35	7.8	42.6	9.9

0950 Collect SW/SED-2
1005 SW/SED-1

pH	T	cond	turb
8.09	7.9	39.0	9.8

1010 Collect SW/SED-1
1015 Driller arrives onsite.
Calibrate equipment
MiniRae 3000 SN 592-904989
cal gas: isobutylene
100.00 ppm - 100.00 ppm pass
cal gas exp. date 1-20-20
MultiRae Plus SN 095-516785
CO_2 50.00 ppm → 50.00 ppm pass
H_2S 25.00 → 25.00
CH_4 50% → 50%
O_2 20.90 → 20.90
1045 Collect rinsate blank
Driller: Daniel, Elite techniques
Rogers
Geoprobe 7822T, 2.25 inch solid flight augers

2-17-16 50°F P. Cloudy

GEM 2000+ SN GM10391

Cal gas 35/50 exp 1-20-2

CH_4 50% - 50% pass

CO_2 35% - 35% pass

1115 M. Darwin begins above ground vapor screening

J. Bauer and driller mob to B-24, get stuck.

1130 Offsite for lunch and ice

1230 Onsite

1300 Pull out drill rig

1330 Mob to B-11

1335 Begin B-11

	Depth	PID
cover	0-10	0.0

No waste, offset 20ft towards field

B-11 A

	Depth	PID	waste
cover	0-2	0.0	
waste	2	0.0	glass

1345 Mob to B-10, get stuck.

Call Dan to reevaluate because it is ~~[illegible]~~ wet

2-17-16 50°F sunny

1435 Mob to B-12

	Depth	PID
cover	0-10	0.0

No waste, offset 20 feet towards baseball field

B-12 A

	Depth	PID
cover	0-2	0.0
waste	2	0.0 glass, plastic

1500 Mob to B-13. Hand auger to check for utilities

~~cover~~ Depth PID

(B3) ~~0-10 0-10 0.0~~

~~No waste. offset towards~~

~~0-5~~ Depth PID

cover	0-5	0.0	
waste	5ft	0.0	glass, plastic

offset away from field 20 ft

(B) ~~B-13 A~~ Cannot cross parcel.

1520 Mob to B-14

	Depth	PID	
cover	0-10	0.0	no waste

offset towards field

2-17-16 40°F Sunny

B-14 A

	Depth	PID
cover	0-10	0.0

NO waste, offset 20 feet east of building

B-14 B

	Depth	PID
cover	0-10	0.0

NO waste, offset 20 ft

B-14 C

	Depth	PID
cover	0-10	0.0

NO waste, offset 20 ft

B-14 D

	Depth	PID	
cover	0-2	0.0	
waste	2ft	0.0	glass, black fibers

0830 M. Darwin finishes vapor screening for the day. will complete tomorrow

0650 Driller loads up rig, will finish tomorrow

2-17-16 50°F P. Cloudy

Vapor Screening performed at the same time

1230 45°F Performed bump test PID = 100 ppm 58% humidity, pressure 30.08" Hg

1335 50°F 58% Humidity 30.06" Hg Bump test, PID = 99.7 ppm

1445 58°F 34% Humidity 30.06" Hg Bump test, PID = 99.8 ppm

1540 58°F 29% Humidity, 30.06" Hg Bump test, PID = 98.9 ppm

1630 Finish above ground vapor screening for day, will finish tomorrow. No exceedences found, all readings were within standards.

1700 offsite

Mark Darwin
2-17-16

2-18-16 35°F P.Cloudy

0700 M. Darwin and J. Bauer
depart Raleigh office
0730 Arrive onsite, driller onsite
Calibrate equipment
MiniRae 3000 SN 592-904389
cal gas: isobutylene, exp 1-20-20
100 ppm → 100 ppm pass
MultiRae Plus SN 095-516785
CO_2 50 ppm → 50 ppm pass
H_2S 25 ppm → 25 ppm
CH_4 50% → 50%
O_2 20.90% → 20.90%
cal gas exp. 5-18-16
GEM 2000+ SN GM132587/11
cal gas 35/50 exp. 11-30-16
CH_4 50% → 50% pass
CO_2 35% → 35% pass
MiniRae 3000 SN 592-906297
cal gas: isobutylene exp. 3-31-16
100 ppm → 100 ppm pass
0800 M. Darwin resumes above...
ground vapor screening

2-18-16 35°F P.Cloudy

0810 Mob to B-15

	Depth	PID
Cover	0-10	0.0

No waste offset 20 ft towards field

B-15 A

	Depth	PID
cover	0-10	0.0

No waste offset 20 ft

B-15 B

	Depth	PID
cover	0-10	0.0

No waste. Cannot offset into baseball field.

0840 B-16

	Depth	PID
cover	0-10	0.0

No waste offset 20 ft towards field

B-16 A

	Depth	PID
cover	0-10	0.0

No waste. Cannot offset into field

2-18-16 40°F P. cloudy

0900 B-17 Hand auger to check for utilities. Call city of Clayton, ~~call~~ (JB) they said they are going to come out to mark water on the site.

0930 Rod ~~form~~ (JB) from Town of Clayton water and sewer arrives. to mark water, take GPS points

0935 Begin drilling B-17

	Depth	PID	
cover	0-10	0.0	

No waste. offset 20 ft

B-17 A

	Depth	PID	
cover	0-10	0.0	

No waste. offset 20 ft

B-17 B

	Depth	PID	
cover	0-5	0.0	
waste	5ft	0.0	plastic and concrete

2-18-16 40°F P. cloudy

0955 B-18

	Depth	PID	
cover	0-3	0.0	
waste	3ft	3.4	glass, plastic

offset 20 ft

B-18 A

	Depth	PID	
cover	0-3	0.0	
waste	3ft	0.0	glass, plastic

cannot offset onto other parcel.

1010 B-19

	Depth	PID	
cover	0-2	0.0	
waste	2ft	0.6	metal, plastic

offset 20 ft

B-19 A

	Depth	PID	
cover	0-1.5	0.0	
waste	1.5ft	13.1	styro-foam, plastic

cannot offset onto other parcel

2-18-16 40°F P.cloudy

1020 B-20

	Depth	PID	
cover	0-10	0.0	

No waste, offset 20 feet

B-20 A

	Depth	PID	
cover	0-6	0.0	
waste	6ft	0.2	glass, plastic

1050 B-21

	Depth	PID	
cover	0-1.5	0.0	
waste	1.5 ft	0.0	glass

cannot offset west to road.

1100 Demob. rig, complete above grand vapor screening

1115 Offsite for lunch

1200 onsite. Hand auger the rest of the borings, cannot get rig into the woods.

1210 B-23

	Depth	PID	
cover	0-1.5	0.0	
waste	1.5	0.0	glass, metal wire

offset 15 feet

2-18-16 40°F Sunny

B-23 A

	Depth	PID	
cover	0-10	0.0	No waste

1220 B-22

	Depth	PID	
cover	0-1.5	0.0	
waste	1.5	0.0	glass

offset 20 ft

B-22 A

	Depth	PID	
cover	0-1	0.0	
waste	1 ft	0.0	glass

cannot offset onto road

1235 B-24

	Depth	PID	
cover	0-1	0.0	
waste	1 ft	0.0	metal wire

B-24 A

	Depth	PID	
cover	0-0.5	0.0	
waste	0.5	0.0	styro foam, fabric

2-18-16 45°F sunny

B-24 B

	Depth	PID	
cover	0-10	0.0	
no waste			

1250 B-25

	Depth	PID	
cover	0-1.5	0.0	
waste	1.5	0.0	fibrous material

B-25 A

	Depth	PID	
cover	0-10	0.0	
No waste			

1320 B-1

	Depth	PID	
cover	0-0.5	0.0	
waste	0.5	0.0	fabric

B-1 A

	Depth	PID	
cover	0-10	0.0	
No waste			

1345 B-2

	Depth	PID	
cover	0-1	0.0	
waste	1 ft	0.0	plastic, metal, glass

Cannot offset due to stream

2-18-16 50°F sunny

1355 B-3

	Depth	PID	
cover	0-1	0.0	
waste	1 ft	0.0	glass

B-3 A

	Depth	PID	
cover	0-1.5	0.0	
waste	1.5	17.2	glass

cannot offset into stream

1420 B-4 trash exposed on surface, minimal cover soil PID 0.0 +

B-4 A, near stream, exposed trash PID 0.0

1430 B-5

	Depth	PID	
cover	0-1	0.0	
waste	1 ft	10.2	glass

* Trash in B-4: tires, glass, plastic, fabric, batteries, metal

B-5 A

	Depth	PID	
cover	0-10	0.0	No waste

1450 B-6

	Depth	PID	
cover	0-0.5	0.0	
waste	0.5	68	strong plastic odor

2-18-16 50°F sunny

B-6 A

	Depth	PID	
cover	0-0.5	0.0	
waste	0.5	0.0	fabric

B-6 B

	Depth	PID
cover	0-10	0.0

no waste

1510 B-7

	Depth	PID	
cover	0-1.5	0.0	
waste	1.5	0.0	plastic, fabric

B-7 A

	Depth	PID	
cover	0-0.5	0.0	
waste	0.5	4.6	plastic

B-7 B

	Depth	PID	
cover	0-1	0.0	
waste	1ft	8	plastic, glass

B-7 C

	Depth	PID	
cover	0-1	0.0	
waste	1ft	5.2	nail

B-7 D

	Depth	PID	
cover	0-10	0.0	hit water at 2ft

1535 B-8 A move east because of visual waste on the slope
waste at 0.5 ft, plastic
PID 0.2

2-18-16 50°F sunny

B-8 B

	Depth	PID
cover	0-10	3.8

2ft - hit water, no waste

1540 B-9 A move point because of previous borings

	Depth	PID	
cover	0-10	0.0	no waste

B-9 B

	Depth	PID	
	0-10	0.0	no waste

B-9 C

	Depth	PID	
cover	0-3	0.0	
waste	3ft	0.0	fabric, plastic

1610 B-10 A move down (east)

	Depth	PID	
cover	0-1	0.4	
waste	1	0.4	plastic

B-10 B

	Depth	PID
cover	0-10	0.3

no waste

1615 complete waste delineation.
Restore site.

1700 J. Bauer, M. Darwin, and driller offsite

2-18-16 50°F Sunny

Vapor screening performed simultaneously

0900 41°F 65% 30.46" Hg

Bump test 100 ppm

MP 1005 43°F 57% 30.45" Hg

Bump test 101 ppm

1100 Finish above ground vapor screening. No exceedances found. All readings within standards.

Mark Warren
2-18-16

Appendix B

Laboratory Analytical Data

Clayton Ball Field
Site Identification Number: NCD980844732

5400 Glenwood Avenue, Suite 400
Raleigh, North Carolina 27612
tel: 919 325-3500
fax: 919 781-5730

March 29, 2016

Mr. Thomas Slusser
North Carolina Department of Environmental Quality
Division of Waste Management
Pre-Regulatory Landfill Unit
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Subject: Laboratory Data Review
Clayton Ball Field
Clayton, Johnston County, North Carolina
Site Identification Number: NCD980844732
Task Order 4732DP

Dear Mr. Slusser:

Please find the attached laboratory analytical data report for the remedial investigation completed for the Clayton Ball Field in accordance with Task Order 4732DP. Surface water and sediment samples were collected by CDM Smith Inc. on February 17, 2016, and analyzed by a North Carolina certified laboratory. The samples were analyzed for volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (EPA) Method 8260B, 1,4-dioxane by EPA Method 8260B selective ion monitoring, semi-VOCs (SVOCs) by EPA Method 8270D, 14 metals (i.e. antimony, arsenic, beryllium, cadmium, chromium, copper, iron, lead, manganese, nickel, selenium, silver, thallium, and zinc) by EPA Method 6020A, mercury by EPA Methods 7470A (surface water) and 7471B (sediment), ammonia by Standard Method 4500, and nitrate and sulfate by EPA Method 9056A. Tentatively Identified Compounds (TICs) for the largest 10 peaks identified by the 8260B and 8270D analyses were also reported.

I have reviewed the laboratory reports and found the data to be usable. None of the samples were analyzed at dilution with the exception of the 14 metals analyzed for all of the sediment samples. There were several instances of reported values requiring data qualifier flags for quality control issues. A discussion of the laboratory data is provided below.

Surface Water Samples
No VOCs, SVOCs, or TICS were detected in the surface water samples above the laboratory method detection limits. The analytical results for various metals were reported as estimated (J flag) concentrations. All chromium detections had a B flag, which indicates that the analyte was found in the associated method blank at a concentration greater than one-half of the reporting limit. Several flags were reported in the quality control data, as described in the case narrative of the laboratory

data report. None of the quality control data qualifier flags impacted the data. No VOCs were detected in the trip blank.

Sediment Samples

The analytical results for various detected metals, VOCs, and SVOCs were reported as estimated (J flag) concentrations. Due to elevated concentrations of iron in all sediment samples, the metals analyzed by EPA Method 6020A with the exception of mercury were reported at 10x dilution. Detections of chromium and iron were reported with B flags for all samples. Iron was also reported with BH flags, which indicate that the analyte was found in the associated method blank at a concentration greater than one-half of the reporting limit, but the sample concentration was greater than 10x the method blank. Several flags were reported in the quality control data, as described in the case narrative of the laboratory data report. None of the quality control data qualifier flags impacted the data.

If you have any questions or require further explanation, please do not hesitate to call me at (919) 325-3569.

Very truly yours,

Mathew F. Colone, P.G.
CDM Smith Inc.

cc: Aaron Weispfenning, CDM Smith
Daniel Forbes, CDM Smith

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Full-Service Analytical & Environmental Solutions

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DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

03/14/2016

CDM Smith, Inc. (Raleigh)
Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Lab Submittal Date: 02/18/2016
Prism Work Order: 6020323

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.

Narrative Notes:

Sulfate analysis was subcontracted to GCAL. Laboratory report is attached.

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

Respectfully,

PRISM LABORATORIES, INC.

Robbi A. Jones
President/Project Manager

Reviewed By Robbi A. Jones
President/Project Manager

Data Qualifiers Key Reference:

B	Analyte is found in the associated blank at a concentration >1/2 RL.
BH	MB greater than one half of the RL, but the sample concentrations are greater than 10x the MB.
D	RPD value outside of the control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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.

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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 Receipt Summary

03/14/2016

Prism Work Order: 6020323

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
SED-1	6020323-01	Solid	02/17/16	02/18/16
SED-2	6020323-02	Solid	02/17/16	02/18/16
SED-3	6020323-03	Solid	02/17/16	02/18/16
SED-4	6020323-04	Solid	02/17/16	02/18/16
Dup	6020323-05	Solid	02/17/16	02/18/16

Samples were received in good condition at 1.3 degrees C unless otherwise noted.

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Summary of Detections

03/14/2016

Prism Work Order: 6020323

Prism ID	Client ID	Parameter	Method	Result		Units
6020323-01	SED-1	Arsenic	6020A	0.29	J	mg/kg dry
6020323-01	SED-1	Chromium	6020A	7.3	BH, B	mg/kg dry
6020323-01	SED-1	Copper	6020A	3.9		mg/kg dry
6020323-01	SED-1	Iron	6020A	4500	B	mg/kg dry
6020323-01	SED-1	Lead	6020A	2.1		mg/kg dry
6020323-01	SED-1	Manganese	6020A	61		mg/kg dry
6020323-01	SED-1	Nickel	6020A	2.9		mg/kg dry
6020323-01	SED-1	Zinc	6020A	6.0	J	mg/kg dry
6020323-01	SED-1	Acetone	8260B	0.017	J	mg/kg dry
6020323-01	SED-1	Hexanal	8260B	0.017		mg/kg dry
6020323-02	SED-2	Nitrate as N	*SM4500-NO3 F	10		mg/kg
6020323-02	SED-2	Di-n-butyl phthalate	8270D	0.19	J	mg/kg dry
6020323-02	SED-2	Arsenic	6020A	0.60	J	mg/kg dry
6020323-02	SED-2	Beryllium	6020A	0.60		mg/kg dry
6020323-02	SED-2	Chromium	6020A	9.1	BH, B	mg/kg dry
6020323-02	SED-2	Copper	6020A	8.7		mg/kg dry
6020323-02	SED-2	Iron	6020A	19000	B	mg/kg dry
6020323-02	SED-2	Lead	6020A	6.5		mg/kg dry
6020323-02	SED-2	Manganese	6020A	230		mg/kg dry
6020323-02	SED-2	Nickel	6020A	7.3		mg/kg dry
6020323-02	SED-2	Selenium	6020A	0.18	J	mg/kg dry
6020323-02	SED-2	Thallium	6020A	0.17	J	mg/kg dry
6020323-02	SED-2	Zinc	6020A	29		mg/kg dry
6020323-02	SED-2	Acetone	8260B	0.044		mg/kg dry
6020323-03	SED-3	unknown 1	8270D	0.52		mg/kg dry
6020323-03	SED-3	Arsenic	6020A	0.30	J	mg/kg dry
6020323-03	SED-3	Beryllium	6020A	0.50		mg/kg dry
6020323-03	SED-3	Chromium	6020A	24	BH, B	mg/kg dry
6020323-03	SED-3	Copper	6020A	32		mg/kg dry
6020323-03	SED-3	Iron	6020A	23000	B	mg/kg dry
6020323-03	SED-3	Lead	6020A	1.9		mg/kg dry
6020323-03	SED-3	Manganese	6020A	520		mg/kg dry
6020323-03	SED-3	Nickel	6020A	56		mg/kg dry
6020323-03	SED-3	Zinc	6020A	57		mg/kg dry
6020323-03	SED-3	Acetone	8260B	0.029		mg/kg dry
6020323-04	SED-4	Arsenic	6020A	1.1	J	mg/kg dry
6020323-04	SED-4	Beryllium	6020A	1.4		mg/kg dry
6020323-04	SED-4	Chromium	6020A	48	BH, B	mg/kg dry
6020323-04	SED-4	Copper	6020A	1.6		mg/kg dry
6020323-04	SED-4	Iron	6020A	50000	B	mg/kg dry
6020323-04	SED-4	Lead	6020A	8.3		mg/kg dry
6020323-04	SED-4	Manganese	6020A	800		mg/kg dry
6020323-04	SED-4	Nickel	6020A	58		mg/kg dry
6020323-04	SED-4	Zinc	6020A	110		mg/kg dry

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Summary of Detections

03/14/2016

Prism Work Order: 6020323

Prism ID	Client ID	Parameter	Method	Result		Units
6020323-04	SED-4	Acetone	8260B	0.035		mg/kg dry
6020323-05	Dup	unknown 1	8270D	0.84		mg/kg dry
6020323-05	Dup	Arsenic	6020A	0.43	J	mg/kg dry
6020323-05	Dup	Beryllium	6020A	0.47		mg/kg dry
6020323-05	Dup	Chromium	6020A	20	BH, B	mg/kg dry
6020323-05	Dup	Copper	6020A	30		mg/kg dry
6020323-05	Dup	Iron	6020A	20000	B	mg/kg dry
6020323-05	Dup	Lead	6020A	2.2		mg/kg dry
6020323-05	Dup	Manganese	6020A	480		mg/kg dry
6020323-05	Dup	Nickel	6020A	42		mg/kg dry
6020323-05	Dup	Zinc	6020A	48		mg/kg dry
6020323-05	Dup	Acetone	8260B	0.066		mg/kg dry
6020323-05	Dup	Hexanal	8260B	0.023		mg/kg dry

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-1
Prism Sample ID: 6020323-01
Prism Work Order: 6020323
Time Collected: 02/17/16 10:10
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
Nitrate as N	BRL	mg/kg	6.0	0.58	1	*SM4500-NO3 F	3/4/16 11:04	CDL	[CALC]
% Solids	**83.1**	**% by Weight**	**0.100**	**0.100**	**1**	**SM2540 G**	**2/24/16 15:25**	**SLS**	**P6B0456**
Ammonia as N	BRL	mg/kg dry	6.0	2.3	1	SM4500-NH3 G	2/25/16 11:11	CLB	P6B0443
Semivolatile Organic Compounds by GC/MS									
1,1'-Biphenyl	BRL	mg/kg dry	0.40	0.033	1	8270D	2/22/16 22:20	JMV	P6B0371
2,3,4,6-Tetrachlorophenol	BRL	mg/kg dry	0.40	0.061	1	8270D	2/22/16 22:20	JMV	P6B0371
2,4,5-Trichlorophenol	BRL	mg/kg dry	0.40	0.075	1	8270D	2/22/16 22:20	JMV	P6B0371
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.40	0.074	1	8270D	2/22/16 22:20	JMV	P6B0371
2,4-Dichlorophenol	BRL	mg/kg dry	0.40	0.077	1	8270D	2/22/16 22:20	JMV	P6B0371
2,4-Dimethylphenol	BRL	mg/kg dry	0.40	0.061	1	8270D	2/22/16 22:20	JMV	P6B0371
2,4-Dinitrophenol	BRL	mg/kg dry	0.40	0.055	1	8270D	2/22/16 22:20	JMV	P6B0371
2,4-Dinitrotoluene	BRL	mg/kg dry	0.40	0.048	1	8270D	2/22/16 22:20	JMV	P6B0371
2,6-Dinitrotoluene	BRL	mg/kg dry	0.40	0.053	1	8270D	2/22/16 22:20	JMV	P6B0371
2-Chloronaphthalene	BRL	mg/kg dry	0.40	0.058	1	8270D	2/22/16 22:20	JMV	P6B0371
2-Chlorophenol	BRL	mg/kg dry	0.40	0.056	1	8270D	2/22/16 22:20	JMV	P6B0371
2-Methylnaphthalene	BRL	mg/kg dry	0.40	0.064	1	8270D	2/22/16 22:20	JMV	P6B0371
2-Methylphenol	BRL	mg/kg dry	0.40	0.051	1	8270D	2/22/16 22:20	JMV	P6B0371
2-Nitroaniline	BRL	mg/kg dry	0.40	0.072	1	8270D	2/22/16 22:20	JMV	P6B0371
2-Nitrophenol	BRL	mg/kg dry	0.40	0.072	1	8270D	2/22/16 22:20	JMV	P6B0371
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.40	0.078	1	8270D	2/22/16 22:20	JMV	P6B0371
3/4-Methylphenol	BRL	mg/kg dry	0.40	0.049	1	8270D	2/22/16 22:20	JMV	P6B0371
3-Nitroaniline	BRL	mg/kg dry	0.40	0.068	1	8270D	2/22/16 22:20	JMV	P6B0371
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.40	0.060	1	8270D	2/22/16 22:20	JMV	P6B0371
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.40	0.068	1	8270D	2/22/16 22:20	JMV	P6B0371
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.40	0.056	1	8270D	2/22/16 22:20	JMV	P6B0371
4-Chloroaniline	BRL	mg/kg dry	0.40	0.048	1	8270D	2/22/16 22:20	JMV	P6B0371
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.40	0.052	1	8270D	2/22/16 22:20	JMV	P6B0371
4-Nitroaniline	BRL	mg/kg dry	0.40	0.072	1	8270D	2/22/16 22:20	JMV	P6B0371
4-Nitrophenol	BRL	mg/kg dry	0.40	0.061	1	8270D	2/22/16 22:20	JMV	P6B0371
Acenaphthene	BRL	mg/kg dry	0.40	0.054	1	8270D	2/22/16 22:20	JMV	P6B0371
Acenaphthylene	BRL	mg/kg dry	0.40	0.058	1	8270D	2/22/16 22:20	JMV	P6B0371
Acetophenone	BRL	mg/kg dry	0.40	0.066	1	8270D	2/22/16 22:20	JMV	P6B0371
Anthracene	BRL	mg/kg dry	0.40	0.064	1	8270D	2/22/16 22:20	JMV	P6B0371
Atrazine	BRL	mg/kg dry	0.40	0.062	1	8270D	2/22/16 22:20	JMV	P6B0371
Benzaldehyde	BRL	mg/kg dry	0.40	0.035	1	8270D	2/22/16 22:20	JMV	P6B0371
Benzo(a)anthracene	BRL	mg/kg dry	0.40	0.052	1	8270D	2/22/16 22:20	JMV	P6B0371
Benzo(a)pyrene	BRL	mg/kg dry	0.40	0.043	1	8270D	2/22/16 22:20	JMV	P6B0371
Benzo(b)fluoranthene	BRL	mg/kg dry	0.40	0.046	1	8270D	2/22/16 22:20	JMV	P6B0371
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.40	0.044	1	8270D	2/22/16 22:20	JMV	P6B0371
Benzo(k)fluoranthene	BRL	mg/kg dry	0.40	0.052	1	8270D	2/22/16 22:20	JMV	P6B0371
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.40	0.069	1	8270D	2/22/16 22:20	JMV	P6B0371

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-1
Prism Sample ID: 6020323-01
Prism Work Order: 6020323
Time Collected: 02/17/16 10:10
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.40	0.056	1	8270D	2/22/16 22:20	JMV	P6B0371
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.40	0.068	1	8270D	2/22/16 22:20	JMV	P6B0371
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.40	0.059	1	8270D	2/22/16 22:20	JMV	P6B0371
Butyl benzyl phthalate	BRL	mg/kg dry	0.40	0.057	1	8270D	2/22/16 22:20	JMV	P6B0371
Caprolactam	BRL	mg/kg dry	0.40	0.060	1	8270D	2/22/16 22:20	JMV	P6B0371
Carbazole	BRL	mg/kg dry	0.40	0.061	1	8270D	2/22/16 22:20	JMV	P6B0371
Chrysene	BRL	mg/kg dry	0.40	0.050	1	8270D	2/22/16 22:20	JMV	P6B0371
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.40	0.048	1	8270D	2/22/16 22:20	JMV	P6B0371
Dibenzofuran	BRL	mg/kg dry	0.40	0.060	1	8270D	2/22/16 22:20	JMV	P6B0371
Diethyl phthalate	BRL	mg/kg dry	0.40	0.055	1	8270D	2/22/16 22:20	JMV	P6B0371
Dimethyl phthalate	BRL	mg/kg dry	0.40	0.052	1	8270D	2/22/16 22:20	JMV	P6B0371
Di-n-butyl phthalate	BRL	mg/kg dry	0.40	0.056	1	8270D	2/22/16 22:20	JMV	P6B0371
Di-n-octyl phthalate	BRL	mg/kg dry	0.40	0.049	1	8270D	2/22/16 22:20	JMV	P6B0371
Fluoranthene	BRL	mg/kg dry	0.40	0.051	1	8270D	2/22/16 22:20	JMV	P6B0371
Fluorene	BRL	mg/kg dry	0.40	0.057	1	8270D	2/22/16 22:20	JMV	P6B0371
Hexachlorobenzene	BRL	mg/kg dry	0.40	0.063	1	8270D	2/22/16 22:20	JMV	P6B0371
Hexachlorobutadiene	BRL	mg/kg dry	0.40	0.071	1	8270D	2/22/16 22:20	JMV	P6B0371
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.40	0.071	1	8270D	2/22/16 22:20	JMV	P6B0371
Hexachloroethane	BRL	mg/kg dry	0.40	0.067	1	8270D	2/22/16 22:20	JMV	P6B0371
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.40	0.046	1	8270D	2/22/16 22:20	JMV	P6B0371
Isophorone	BRL	mg/kg dry	0.40	0.054	1	8270D	2/22/16 22:20	JMV	P6B0371
Naphthalene	BRL	mg/kg dry	0.40	0.064	1	8270D	2/22/16 22:20	JMV	P6B0371
Nitrobenzene	BRL	mg/kg dry	0.40	0.056	1	8270D	2/22/16 22:20	JMV	P6B0371
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.40	0.063	1	8270D	2/22/16 22:20	JMV	P6B0371
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.40	0.060	1	8270D	2/22/16 22:20	JMV	P6B0371
Pentachlorophenol	BRL	mg/kg dry	0.40	0.047	1	8270D	2/22/16 22:20	JMV	P6B0371
Phenanthrene	BRL	mg/kg dry	0.40	0.052	1	8270D	2/22/16 22:20	JMV	P6B0371
Phenol	BRL	mg/kg dry	0.40	0.059	1	8270D	2/22/16 22:20	JMV	P6B0371
Pyrene	BRL	mg/kg dry	0.40	0.053	1	8270D	2/22/16 22:20	JMV	P6B0371
TIC: Tentatively Identified Compounds	0.0	mg/kg dry			1	8270D	2/22/16 22:20	JMV	P6B0371

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*93 %*	*37-131*
2-Fluorobiphenyl	*87 %*	*47-130*
2-Fluorophenol	*86 %*	*44-117*
Nitrobenzene-d5	*87 %*	*45-121*
Phenol-d5	*89 %*	*37-127*
Terphenyl-d14	*102 %*	*38-135*

Total Metals

Mercury	BRL	mg/kg dry	0.023	0.0015	1	7471B	2/22/16 10:21	JAB	P6B0382
Antimony	BRL	mg/kg dry	0.31	0.13	10	6020A	3/2/16 19:11	gmart	P6B0438
Arsenic	**0.29 J**	**mg/kg dry**	**1.9**	**0.16**	**10**	**6020A**	**3/2/16 19:11**	**gmart**	**P6B0438**
Beryllium	BRL	mg/kg dry	0.31	0.13	10	6020A	3/2/16 19:11	gmart	P6B0438
Cadmium	BRL	mg/kg dry	0.31	0.14	10	6020A	3/2/16 19:11	gmart	P6B0438

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Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-1
Prism Sample ID: 6020323-01
Prism Work Order: 6020323
Time Collected: 02/17/16 10:10
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chromium	**7.3 BH, B**	**mg/kg dry**	**0.62**	**0.14**	**10**	**6020A**	**3/2/16 19:11**	**gmart**	**P6B0438**
Copper	**3.9**	**mg/kg dry**	**0.62**	**0.12**	**10**	**6020A**	**3/2/16 19:11**	**gmart**	**P6B0438**
Iron	**4500 B**	**mg/kg dry**	**12**	**2.7**	**10**	**6020A**	**3/2/16 19:11**	**gmart**	**P6B0438**
Lead	**2.1**	**mg/kg dry**	**0.31**	**0.12**	**10**	**6020A**	**3/2/16 19:11**	**gmart**	**P6B0438**
Manganese	**61**	**mg/kg dry**	**0.31**	**0.093**	**10**	**6020A**	**3/2/16 19:11**	**gmart**	**P6B0438**
Nickel	**2.9**	**mg/kg dry**	**0.31**	**0.10**	**10**	**6020A**	**3/2/16 19:11**	**gmart**	**P6B0438**
Selenium	BRL	mg/kg dry	1.2	0.12	10	6020A	3/2/16 19:11	gmart	P6B0438
Silver	BRL	mg/kg dry	0.31	0.14	10	6020A	3/2/16 19:11	gmart	P6B0438
Thallium	BRL	mg/kg dry	0.31	0.13	10	6020A	3/2/16 19:11	gmart	P6B0438
Zinc	**6.0 J**	**mg/kg dry**	**25**	**1.2**	**10**	**6020A**	**3/2/16 19:11**	**gmart**	**P6B0438**
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0057	0.00028	1	8260B	2/18/16 16:14	MWW	P6B0359
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0057	0.00039	1	8260B	2/18/16 16:14	MWW	P6B0359
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	mg/kg dry	0.011	0.00043	1	8260B	2/18/16 16:14	MWW	P6B0359
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0057	0.00051	1	8260B	2/18/16 16:14	MWW	P6B0359
1,1-Dichloroethane	BRL	mg/kg dry	0.0057	0.00016	1	8260B	2/18/16 16:14	MWW	P6B0359
1,1-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00025	1	8260B	2/18/16 16:14	MWW	P6B0359
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.011	0.00033	1	8260B	2/18/16 16:14	MWW	P6B0359
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.011	0.00043	1	8260B	2/18/16 16:14	MWW	P6B0359
1,2-Dibromo-3-chloropropane	BRL	mg/kg dry	0.0057	0.00042	1	8260B	2/18/16 16:14	MWW	P6B0359
1,2-Dibromoethane	BRL	mg/kg dry	0.0057	0.00023	1	8260B	2/18/16 16:14	MWW	P6B0359
1,2-Dichlorobenzene	BRL	mg/kg dry	0.011	0.00027	1	8260B	2/18/16 16:14	MWW	P6B0359
1,2-Dichloroethane	BRL	mg/kg dry	0.0057	0.00034	1	8260B	2/18/16 16:14	MWW	P6B0359
1,2-Dichloropropane	BRL	mg/kg dry	0.0057	0.00036	1	8260B	2/18/16 16:14	MWW	P6B0359
1,3-Dichlorobenzene	BRL	mg/kg dry	0.011	0.00038	1	8260B	2/18/16 16:14	MWW	P6B0359
1,4-Dichlorobenzene	BRL	mg/kg dry	0.011	0.00023	1	8260B	2/18/16 16:14	MWW	P6B0359
1,4-Dioxane	BRL	mg/kg dry	0.11	0.012	1	8260B	2/18/16 16:14	MWW	P6B0359
Acetone	**0.017 J**	**mg/kg dry**	**0.023**	**0.0014**	**1**	**8260B**	**2/18/16 16:14**	**MWW**	**P6B0359**
Benzene	BRL	mg/kg dry	0.0034	0.00033	1	8260B	2/18/16 16:14	MWW	P6B0359
Bromochloromethane	BRL	mg/kg dry	0.0057	0.00032	1	8260B	2/18/16 16:14	MWW	P6B0359
Bromodichloromethane	BRL	mg/kg dry	0.0057	0.00032	1	8260B	2/18/16 16:14	MWW	P6B0359
Bromoform	BRL	mg/kg dry	0.0057	0.00065	1	8260B	2/18/16 16:14	MWW	P6B0359
Bromomethane	BRL	mg/kg dry	0.011	0.00071	1	8260B	2/18/16 16:14	MWW	P6B0359
Carbon disulfide	BRL	mg/kg dry	0.011	0.00028	1	8260B	2/18/16 16:14	MWW	P6B0359
Carbon Tetrachloride	BRL	mg/kg dry	0.0057	0.00029	1	8260B	2/18/16 16:14	MWW	P6B0359
Chlorobenzene	BRL	mg/kg dry	0.0057	0.00030	1	8260B	2/18/16 16:14	MWW	P6B0359
Chloroethane	BRL	mg/kg dry	0.011	0.00048	1	8260B	2/18/16 16:14	MWW	P6B0359
Chloroform	BRL	mg/kg dry	0.0057	0.00041	1	8260B	2/18/16 16:14	MWW	P6B0359
Chloromethane	BRL	mg/kg dry	0.011	0.00039	1	8260B	2/18/16 16:14	MWW	P6B0359
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00024	1	8260B	2/18/16 16:14	MWW	P6B0359
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00019	1	8260B	2/18/16 16:14	MWW	P6B0359
Cyclohexane	BRL	mg/kg dry	0.0057	0.00037	1	8260B	2/18/16 16:14	MWW	P6B0359
Dibromochloromethane	BRL	mg/kg dry	0.0057	0.00024	1	8260B	2/18/16 16:14	MWW	P6B0359

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-1
Prism Sample ID: 6020323-01
Prism Work Order: 6020323
Time Collected: 02/17/16 10:10
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dichlorodifluoromethane	BRL	mg/kg dry	0.011	0.00026	1	8260B	2/18/16 16:14	MWW	P6B0359
Ethylbenzene	BRL	mg/kg dry	0.0057	0.00022	1	8260B	2/18/16 16:14	MWW	P6B0359
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.011	0.00034	1	8260B	2/18/16 16:14	MWW	P6B0359
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00053	1	8260B	2/18/16 16:14	MWW	P6B0359
Methyl Acetate	BRL	mg/kg dry	0.0057	0.00087	1	8260B	2/18/16 16:14	MWW	P6B0359
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.057	0.00052	1	8260B	2/18/16 16:14	MWW	P6B0359
Methylcyclohexane	BRL	mg/kg dry	0.0057	0.00049	1	8260B	2/18/16 16:14	MWW	P6B0359
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.023	0.00052	1	8260B	2/18/16 16:14	MWW	P6B0359
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.011	0.00049	1	8260B	2/18/16 16:14	MWW	P6B0359
Methylene Chloride	BRL	mg/kg dry	0.011	0.00032	1	8260B	2/18/16 16:14	MWW	P6B0359
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0057	0.00018	1	8260B	2/18/16 16:14	MWW	P6B0359
o-Xylene	BRL	mg/kg dry	0.0057	0.00024	1	8260B	2/18/16 16:14	MWW	P6B0359
Styrene	BRL	mg/kg dry	0.0057	0.00035	1	8260B	2/18/16 16:14	MWW	P6B0359
Tetrachloroethylene	BRL	mg/kg dry	0.011	0.00027	1	8260B	2/18/16 16:14	MWW	P6B0359
Tetrahydrofuran	BRL	mg/kg dry	0.0057	0.00059	1	8260B	2/18/16 16:14	MWW	P6B0359
Toluene	BRL	mg/kg dry	0.0057	0.00033	1	8260B	2/18/16 16:14	MWW	P6B0359
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	2/18/16 16:14	MWW	P6B0359
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00030	1	8260B	2/18/16 16:14	MWW	P6B0359
Trichloroethylene	BRL	mg/kg dry	0.0057	0.00037	1	8260B	2/18/16 16:14	MWW	P6B0359
Trichlorofluoromethane	BRL	mg/kg dry	0.0057	0.00037	1	8260B	2/18/16 16:14	MWW	P6B0359
Vinyl chloride	BRL	mg/kg dry	0.011	0.00028	1	8260B	2/18/16 16:14	MWW	P6B0359
Xylenes, total	BRL	mg/kg dry	0.017	0.0011	1	8260B	2/18/16 16:14	MWW	P6B0359
TIC: Hexanal	**0.017**	**mg/kg dry**			**1**	**8260B**	**2/18/16 16:14**	**MWW**	**P6B0359**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*99 %*	*70-130*
Dibromofluoromethane	*100 %*	*84-123*
Toluene-d8	*92 %*	*76-129*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	mg/kg dry	0.012	0.0022	1	8260B SIM	3/1/16 15:30	ANG	P6C0016

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-2
Prism Sample ID: 6020323-02
Prism Work Order: 6020323
Time Collected: 02/17/16 09:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
Nitrate as N	**10**	**mg/kg**	**6.0**	**0.58**	**1**	***SM4500-NO3 F**	**3/4/16 11:04**	**CDL**	**[CALC]**
% Solids	**68.9**	**% by Weight**	**0.100**	**0.100**	**1**	**SM2540 G**	**2/24/16 15:25**	**SLS**	**P6B0456**
Ammonia as N	BRL	mg/kg dry	7.3	2.8	1	SM4500-NH3 G	2/25/16 11:11	CLB	P6B0443
Semivolatile Organic Compounds by GC/MS									
1,1'-Biphenyl	BRL	mg/kg dry	0.48	0.040	1	8270D	2/22/16 22:42	JMV	P6B0371
2,3,4,6-Tetrachlorophenol	BRL	mg/kg dry	0.48	0.074	1	8270D	2/22/16 22:42	JMV	P6B0371
2,4,5-Trichlorophenol	BRL	mg/kg dry	0.48	0.090	1	8270D	2/22/16 22:42	JMV	P6B0371
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.48	0.090	1	8270D	2/22/16 22:42	JMV	P6B0371
2,4-Dichlorophenol	BRL	mg/kg dry	0.48	0.093	1	8270D	2/22/16 22:42	JMV	P6B0371
2,4-Dimethylphenol	BRL	mg/kg dry	0.48	0.073	1	8270D	2/22/16 22:42	JMV	P6B0371
2,4-Dinitrophenol	BRL	mg/kg dry	0.48	0.067	1	8270D	2/22/16 22:42	JMV	P6B0371
2,4-Dinitrotoluene	BRL	mg/kg dry	0.48	0.058	1	8270D	2/22/16 22:42	JMV	P6B0371
2,6-Dinitrotoluene	BRL	mg/kg dry	0.48	0.064	1	8270D	2/22/16 22:42	JMV	P6B0371
2-Chloronaphthalene	BRL	mg/kg dry	0.48	0.069	1	8270D	2/22/16 22:42	JMV	P6B0371
2-Chlorophenol	BRL	mg/kg dry	0.48	0.068	1	8270D	2/22/16 22:42	JMV	P6B0371
2-Methylnaphthalene	BRL	mg/kg dry	0.48	0.077	1	8270D	2/22/16 22:42	JMV	P6B0371
2-Methylphenol	BRL	mg/kg dry	0.48	0.061	1	8270D	2/22/16 22:42	JMV	P6B0371
2-Nitroaniline	BRL	mg/kg dry	0.48	0.087	1	8270D	2/22/16 22:42	JMV	P6B0371
2-Nitrophenol	BRL	mg/kg dry	0.48	0.087	1	8270D	2/22/16 22:42	JMV	P6B0371
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.48	0.095	1	8270D	2/22/16 22:42	JMV	P6B0371
3/4-Methylphenol	BRL	mg/kg dry	0.48	0.059	1	8270D	2/22/16 22:42	JMV	P6B0371
3-Nitroaniline	BRL	mg/kg dry	0.48	0.082	1	8270D	2/22/16 22:42	JMV	P6B0371
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.48	0.072	1	8270D	2/22/16 22:42	JMV	P6B0371
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.48	0.082	1	8270D	2/22/16 22:42	JMV	P6B0371
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.48	0.067	1	8270D	2/22/16 22:42	JMV	P6B0371
4-Chloroaniline	BRL	mg/kg dry	0.48	0.058	1	8270D	2/22/16 22:42	JMV	P6B0371
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.48	0.062	1	8270D	2/22/16 22:42	JMV	P6B0371
4-Nitroaniline	BRL	mg/kg dry	0.48	0.087	1	8270D	2/22/16 22:42	JMV	P6B0371
4-Nitrophenol	BRL	mg/kg dry	0.48	0.074	1	8270D	2/22/16 22:42	JMV	P6B0371
Acenaphthene	BRL	mg/kg dry	0.48	0.065	1	8270D	2/22/16 22:42	JMV	P6B0371
Acenaphthylene	BRL	mg/kg dry	0.48	0.069	1	8270D	2/22/16 22:42	JMV	P6B0371
Acetophenone	BRL	mg/kg dry	0.48	0.080	1	8270D	2/22/16 22:42	JMV	P6B0371
Anthracene	BRL	mg/kg dry	0.48	0.077	1	8270D	2/22/16 22:42	JMV	P6B0371
Atrazine	BRL	mg/kg dry	0.48	0.074	1	8270D	2/22/16 22:42	JMV	P6B0371
Benzaldehyde	BRL	mg/kg dry	0.48	0.042	1	8270D	2/22/16 22:42	JMV	P6B0371
Benzo(a)anthracene	BRL	mg/kg dry	0.48	0.063	1	8270D	2/22/16 22:42	JMV	P6B0371
Benzo(a)pyrene	BRL	mg/kg dry	0.48	0.052	1	8270D	2/22/16 22:42	JMV	P6B0371
Benzo(b)fluoranthene	BRL	mg/kg dry	0.48	0.056	1	8270D	2/22/16 22:42	JMV	P6B0371
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.48	0.053	1	8270D	2/22/16 22:42	JMV	P6B0371
Benzo(k)fluoranthene	BRL	mg/kg dry	0.48	0.063	1	8270D	2/22/16 22:42	JMV	P6B0371
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.48	0.083	1	8270D	2/22/16 22:42	JMV	P6B0371

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-2
Prism Sample ID: 6020323-02
Prism Work Order: 6020323
Time Collected: 02/17/16 09:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.48	0.068	1	8270D	2/22/16 22:42	JMV	P6B0371
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.48	0.082	1	8270D	2/22/16 22:42	JMV	P6B0371
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.48	0.071	1	8270D	2/22/16 22:42	JMV	P6B0371
Butyl benzyl phthalate	BRL	mg/kg dry	0.48	0.068	1	8270D	2/22/16 22:42	JMV	P6B0371
Caprolactam	BRL	mg/kg dry	0.48	0.072	1	8270D	2/22/16 22:42	JMV	P6B0371
Carbazole	BRL	mg/kg dry	0.48	0.073	1	8270D	2/22/16 22:42	JMV	P6B0371
Chrysene	BRL	mg/kg dry	0.48	0.060	1	8270D	2/22/16 22:42	JMV	P6B0371
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.48	0.058	1	8270D	2/22/16 22:42	JMV	P6B0371
Dibenzofuran	BRL	mg/kg dry	0.48	0.073	1	8270D	2/22/16 22:42	JMV	P6B0371
Diethyl phthalate	BRL	mg/kg dry	0.48	0.066	1	8270D	2/22/16 22:42	JMV	P6B0371
Dimethyl phthalate	BRL	mg/kg dry	0.48	0.063	1	8270D	2/22/16 22:42	JMV	P6B0371
Di-n-butyl phthalate	**0.19 J**	**mg/kg dry**	**0.48**	**0.068**	**1**	**8270D**	**2/22/16 22:42**	**JMV**	**P6B0371**
Di-n-octyl phthalate	BRL	mg/kg dry	0.48	0.059	1	8270D	2/22/16 22:42	JMV	P6B0371
Fluoranthene	BRL	mg/kg dry	0.48	0.061	1	8270D	2/22/16 22:42	JMV	P6B0371
Fluorene	BRL	mg/kg dry	0.48	0.069	1	8270D	2/22/16 22:42	JMV	P6B0371
Hexachlorobenzene	BRL	mg/kg dry	0.48	0.076	1	8270D	2/22/16 22:42	JMV	P6B0371
Hexachlorobutadiene	BRL	mg/kg dry	0.48	0.086	1	8270D	2/22/16 22:42	JMV	P6B0371
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.48	0.085	1	8270D	2/22/16 22:42	JMV	P6B0371
Hexachloroethane	BRL	mg/kg dry	0.48	0.080	1	8270D	2/22/16 22:42	JMV	P6B0371
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.48	0.055	1	8270D	2/22/16 22:42	JMV	P6B0371
Isophorone	BRL	mg/kg dry	0.48	0.065	1	8270D	2/22/16 22:42	JMV	P6B0371
Naphthalene	BRL	mg/kg dry	0.48	0.077	1	8270D	2/22/16 22:42	JMV	P6B0371
Nitrobenzene	BRL	mg/kg dry	0.48	0.068	1	8270D	2/22/16 22:42	JMV	P6B0371
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.48	0.075	1	8270D	2/22/16 22:42	JMV	P6B0371
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.48	0.073	1	8270D	2/22/16 22:42	JMV	P6B0371
Pentachlorophenol	BRL	mg/kg dry	0.48	0.057	1	8270D	2/22/16 22:42	JMV	P6B0371
Phenanthrene	BRL	mg/kg dry	0.48	0.062	1	8270D	2/22/16 22:42	JMV	P6B0371
Phenol	BRL	mg/kg dry	0.48	0.071	1	8270D	2/22/16 22:42	JMV	P6B0371
Pyrene	BRL	mg/kg dry	0.48	0.063	1	8270D	2/22/16 22:42	JMV	P6B0371
TIC: Tentatively Identified Compounds	Not Detected	mg/kg dry			1	8270D	2/22/16 22:42	JMV	P6B0371

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*92 %*	*37-131*
2-Fluorobiphenyl	*79 %*	*47-130*
2-Fluorophenol	*82 %*	*44-117*
Nitrobenzene-d5	*82 %*	*45-121*
Phenol-d5	*86 %*	*37-127*
Terphenyl-d14	*101 %*	*38-135*

Total Metals

Mercury	BRL	mg/kg dry	0.028	0.0018	1	7471B	2/22/16 10:35	JAB	P6B0382
Antimony	BRL	mg/kg dry	0.36	0.15	10	6020A	3/2/16 19:22	gmart	P6B0438
Arsenic	**0.60 J**	**mg/kg dry**	**2.1**	**0.19**	**10**	**6020A**	**3/2/16 19:22**	**gmart**	**P6B0438**
Beryllium	**0.60**	**mg/kg dry**	**0.36**	**0.15**	**10**	**6020A**	**3/2/16 19:22**	**gmart**	**P6B0438**

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-2
Prism Sample ID: 6020323-02
Prism Work Order: 6020323
Time Collected: 02/17/16 09:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Cadmium	BRL	mg/kg dry	0.36	0.16	10	6020A	3/2/16 19:22	gmart	P6B0438
Chromium	**9.1 BH, B**	**mg/kg dry**	**0.71**	**0.16**	**10**	**6020A**	**3/2/16 19:22**	**gmart**	**P6B0438**
Copper	**8.7**	**mg/kg dry**	**0.71**	**0.14**	**10**	**6020A**	**3/2/16 19:22**	**gmart**	**P6B0438**
Iron	**19000 B**	**mg/kg dry**	**140**	**31**	**100**	**6020A**	**3/4/16 9:45**	**gmart**	**P6B0438**
Lead	**6.5**	**mg/kg dry**	**0.36**	**0.14**	**10**	**6020A**	**3/2/16 19:22**	**gmart**	**P6B0438**
Manganese	**230**	**mg/kg dry**	**0.36**	**0.11**	**10**	**6020A**	**3/2/16 19:22**	**gmart**	**P6B0438**
Nickel	**7.3**	**mg/kg dry**	**0.36**	**0.12**	**10**	**6020A**	**3/2/16 19:22**	**gmart**	**P6B0438**
Selenium	**0.18 J**	**mg/kg dry**	**1.4**	**0.14**	**10**	**6020A**	**3/2/16 19:22**	**gmart**	**P6B0438**
Silver	BRL	mg/kg dry	0.36	0.16	10	6020A	3/2/16 19:22	gmart	P6B0438
Thallium	**0.17 J**	**mg/kg dry**	**0.36**	**0.15**	**10**	**6020A**	**3/2/16 19:22**	**gmart**	**P6B0438**
Zinc	**29**	**mg/kg dry**	**29**	**1.3**	**10**	**6020A**	**3/2/16 19:22**	**gmart**	**P6B0438**
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0065	0.00032	1	8260B	2/18/16 16:42	MWW	P6B0359
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0065	0.00044	1	8260B	2/18/16 16:42	MWW	P6B0359
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	mg/kg dry	0.013	0.00049	1	8260B	2/18/16 16:42	MWW	P6B0359
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0065	0.00058	1	8260B	2/18/16 16:42	MWW	P6B0359
1,1-Dichloroethane	BRL	mg/kg dry	0.0065	0.00018	1	8260B	2/18/16 16:42	MWW	P6B0359
1,1-Dichloroethylene	BRL	mg/kg dry	0.0065	0.00029	1	8260B	2/18/16 16:42	MWW	P6B0359
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.013	0.00037	1	8260B	2/18/16 16:42	MWW	P6B0359
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.013	0.00049	1	8260B	2/18/16 16:42	MWW	P6B0359
1,2-Dibromo-3-chloropropane	BRL	mg/kg dry	0.0065	0.00048	1	8260B	2/18/16 16:42	MWW	P6B0359
1,2-Dibromoethane	BRL	mg/kg dry	0.0065	0.00026	1	8260B	2/18/16 16:42	MWW	P6B0359
1,2-Dichlorobenzene	BRL	mg/kg dry	0.013	0.00031	1	8260B	2/18/16 16:42	MWW	P6B0359
1,2-Dichloroethane	BRL	mg/kg dry	0.0065	0.00039	1	8260B	2/18/16 16:42	MWW	P6B0359
1,2-Dichloropropane	BRL	mg/kg dry	0.0065	0.00041	1	8260B	2/18/16 16:42	MWW	P6B0359
1,3-Dichlorobenzene	BRL	mg/kg dry	0.013	0.00043	1	8260B	2/18/16 16:42	MWW	P6B0359
1,4-Dichlorobenzene	BRL	mg/kg dry	0.013	0.00026	1	8260B	2/18/16 16:42	MWW	P6B0359
1,4-Dioxane	BRL	mg/kg dry	0.13	0.013	1	8260B	2/18/16 16:42	MWW	P6B0359
Acetone	**0.044**	**mg/kg dry**	**0.026**	**0.0016**	**1**	**8260B**	**2/18/16 16:42**	**MWW**	**P6B0359**
Benzene	BRL	mg/kg dry	0.0039	0.00038	1	8260B	2/18/16 16:42	MWW	P6B0359
Bromochloromethane	BRL	mg/kg dry	0.0065	0.00036	1	8260B	2/18/16 16:42	MWW	P6B0359
Bromodichloromethane	BRL	mg/kg dry	0.0065	0.00036	1	8260B	2/18/16 16:42	MWW	P6B0359
Bromoform	BRL	mg/kg dry	0.0065	0.00074	1	8260B	2/18/16 16:42	MWW	P6B0359
Bromomethane	BRL	mg/kg dry	0.013	0.00081	1	8260B	2/18/16 16:42	MWW	P6B0359
Carbon disulfide	BRL	mg/kg dry	0.013	0.00032	1	8260B	2/18/16 16:42	MWW	P6B0359
Carbon Tetrachloride	BRL	mg/kg dry	0.0065	0.00033	1	8260B	2/18/16 16:42	MWW	P6B0359
Chlorobenzene	BRL	mg/kg dry	0.0065	0.00035	1	8260B	2/18/16 16:42	MWW	P6B0359
Chloroethane	BRL	mg/kg dry	0.013	0.00055	1	8260B	2/18/16 16:42	MWW	P6B0359
Chloroform	BRL	mg/kg dry	0.0065	0.00047	1	8260B	2/18/16 16:42	MWW	P6B0359
Chloromethane	BRL	mg/kg dry	0.013	0.00044	1	8260B	2/18/16 16:42	MWW	P6B0359
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0065	0.00028	1	8260B	2/18/16 16:42	MWW	P6B0359
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0065	0.00022	1	8260B	2/18/16 16:42	MWW	P6B0359
Cyclohexane	BRL	mg/kg dry	0.0065	0.00043	1	8260B	2/18/16 16:42	MWW	P6B0359

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-2
Prism Sample ID: 6020323-02
Prism Work Order: 6020323
Time Collected: 02/17/16 09:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	mg/kg dry	0.0065	0.00027	1	8260B	2/18/16 16:42	MWW	P6B0359
Dichlorodifluoromethane	BRL	mg/kg dry	0.013	0.00030	1	8260B	2/18/16 16:42	MWW	P6B0359
Ethylbenzene	BRL	mg/kg dry	0.0065	0.00025	1	8260B	2/18/16 16:42	MWW	P6B0359
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.013	0.00039	1	8260B	2/18/16 16:42	MWW	P6B0359
m,p-Xylenes	BRL	mg/kg dry	0.013	0.00060	1	8260B	2/18/16 16:42	MWW	P6B0359
Methyl Acetate	BRL	mg/kg dry	0.0065	0.00099	1	8260B	2/18/16 16:42	MWW	P6B0359
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.065	0.00059	1	8260B	2/18/16 16:42	MWW	P6B0359
Methylcyclohexane	BRL	mg/kg dry	0.0065	0.00056	1	8260B	2/18/16 16:42	MWW	P6B0359
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.026	0.00059	1	8260B	2/18/16 16:42	MWW	P6B0359
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.013	0.00056	1	8260B	2/18/16 16:42	MWW	P6B0359
Methylene Chloride	BRL	mg/kg dry	0.013	0.00037	1	8260B	2/18/16 16:42	MWW	P6B0359
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0065	0.00021	1	8260B	2/18/16 16:42	MWW	P6B0359
o-Xylene	BRL	mg/kg dry	0.0065	0.00027	1	8260B	2/18/16 16:42	MWW	P6B0359
Styrene	BRL	mg/kg dry	0.0065	0.00039	1	8260B	2/18/16 16:42	MWW	P6B0359
Tetrachloroethylene	BRL	mg/kg dry	0.013	0.00031	1	8260B	2/18/16 16:42	MWW	P6B0359
Tetrahydrofuran	BRL	mg/kg dry	0.0065	0.00067	1	8260B	2/18/16 16:42	MWW	P6B0359
Toluene	BRL	mg/kg dry	0.0065	0.00038	1	8260B	2/18/16 16:42	MWW	P6B0359
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0065	0.00039	1	8260B	2/18/16 16:42	MWW	P6B0359
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0065	0.00034	1	8260B	2/18/16 16:42	MWW	P6B0359
Trichloroethylene	BRL	mg/kg dry	0.0065	0.00042	1	8260B	2/18/16 16:42	MWW	P6B0359
Trichlorofluoromethane	BRL	mg/kg dry	0.0065	0.00042	1	8260B	2/18/16 16:42	MWW	P6B0359
Vinyl chloride	BRL	mg/kg dry	0.013	0.00032	1	8260B	2/18/16 16:42	MWW	P6B0359
Xylenes, total	BRL	mg/kg dry	0.020	0.0012	1	8260B	2/18/16 16:42	MWW	P6B0359
TIC: Tentatively Identified Compounds	Not Detected	mg/kg dry			1	8260B	2/18/16 16:42	MWW	P6B0359

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*97 %*	*70-130*
Dibromofluoromethane	*100 %*	*84-123*
Toluene-d8	*92 %*	*76-129*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	mg/kg dry	0.014	0.0024	1	8260B SIM	3/1/16 16:03	ANG	P6C0016

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-3
Prism Sample ID: 6020323-03
Prism Work Order: 6020323
Time Collected: 02/17/16 08:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
Nitrate as N	BRL	mg/kg	6.0	0.58	1	*SM4500-NO3 F	3/4/16 11:04	CDL	[CALC]
% Solids	**74.6**	**% by Weight**	**0.100**	**0.100**	**1**	**SM2540 G**	**2/24/16 15:25**	**SLS**	**P6B0456**
Ammonia as N	BRL	mg/kg dry	6.7	2.6	1	SM4500-NH3 G	2/25/16 11:11	CLB	P6B0443
Semivolatile Organic Compounds by GC/MS									
1,1'-Biphenyl	BRL	mg/kg dry	0.44	0.037	1	8270D	2/22/16 23:05	JMV	P6B0371
2,3,4,6-Tetrachlorophenol	BRL	mg/kg dry	0.44	0.068	1	8270D	2/22/16 23:05	JMV	P6B0371
2,4,5-Trichlorophenol	BRL	mg/kg dry	0.44	0.083	1	8270D	2/22/16 23:05	JMV	P6B0371
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.44	0.083	1	8270D	2/22/16 23:05	JMV	P6B0371
2,4-Dichlorophenol	BRL	mg/kg dry	0.44	0.085	1	8270D	2/22/16 23:05	JMV	P6B0371
2,4-Dimethylphenol	BRL	mg/kg dry	0.44	0.068	1	8270D	2/22/16 23:05	JMV	P6B0371
2,4-Dinitrophenol	BRL	mg/kg dry	0.44	0.062	1	8270D	2/22/16 23:05	JMV	P6B0371
2,4-Dinitrotoluene	BRL	mg/kg dry	0.44	0.054	1	8270D	2/22/16 23:05	JMV	P6B0371
2,6-Dinitrotoluene	BRL	mg/kg dry	0.44	0.059	1	8270D	2/22/16 23:05	JMV	P6B0371
2-Chloronaphthalene	BRL	mg/kg dry	0.44	0.064	1	8270D	2/22/16 23:05	JMV	P6B0371
2-Chlorophenol	BRL	mg/kg dry	0.44	0.063	1	8270D	2/22/16 23:05	JMV	P6B0371
2-Methylnaphthalene	BRL	mg/kg dry	0.44	0.071	1	8270D	2/22/16 23:05	JMV	P6B0371
2-Methylphenol	BRL	mg/kg dry	0.44	0.057	1	8270D	2/22/16 23:05	JMV	P6B0371
2-Nitroaniline	BRL	mg/kg dry	0.44	0.080	1	8270D	2/22/16 23:05	JMV	P6B0371
2-Nitrophenol	BRL	mg/kg dry	0.44	0.081	1	8270D	2/22/16 23:05	JMV	P6B0371
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.44	0.087	1	8270D	2/22/16 23:05	JMV	P6B0371
3/4-Methylphenol	BRL	mg/kg dry	0.44	0.055	1	8270D	2/22/16 23:05	JMV	P6B0371
3-Nitroaniline	BRL	mg/kg dry	0.44	0.076	1	8270D	2/22/16 23:05	JMV	P6B0371
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.44	0.066	1	8270D	2/22/16 23:05	JMV	P6B0371
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.44	0.076	1	8270D	2/22/16 23:05	JMV	P6B0371
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.44	0.062	1	8270D	2/22/16 23:05	JMV	P6B0371
4-Chloroaniline	BRL	mg/kg dry	0.44	0.053	1	8270D	2/22/16 23:05	JMV	P6B0371
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.44	0.057	1	8270D	2/22/16 23:05	JMV	P6B0371
4-Nitroaniline	BRL	mg/kg dry	0.44	0.081	1	8270D	2/22/16 23:05	JMV	P6B0371
4-Nitrophenol	BRL	mg/kg dry	0.44	0.068	1	8270D	2/22/16 23:05	JMV	P6B0371
Acenaphthene	BRL	mg/kg dry	0.44	0.060	1	8270D	2/22/16 23:05	JMV	P6B0371
Acenaphthylene	BRL	mg/kg dry	0.44	0.064	1	8270D	2/22/16 23:05	JMV	P6B0371
Acetophenone	BRL	mg/kg dry	0.44	0.074	1	8270D	2/22/16 23:05	JMV	P6B0371
Anthracene	BRL	mg/kg dry	0.44	0.071	1	8270D	2/22/16 23:05	JMV	P6B0371
Atrazine	BRL	mg/kg dry	0.44	0.069	1	8270D	2/22/16 23:05	JMV	P6B0371
Benzaldehyde	BRL	mg/kg dry	0.44	0.039	1	8270D	2/22/16 23:05	JMV	P6B0371
Benzo(a)anthracene	BRL	mg/kg dry	0.44	0.058	1	8270D	2/22/16 23:05	JMV	P6B0371
Benzo(a)pyrene	BRL	mg/kg dry	0.44	0.048	1	8270D	2/22/16 23:05	JMV	P6B0371
Benzo(b)fluoranthene	BRL	mg/kg dry	0.44	0.051	1	8270D	2/22/16 23:05	JMV	P6B0371
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.44	0.049	1	8270D	2/22/16 23:05	JMV	P6B0371
Benzo(k)fluoranthene	BRL	mg/kg dry	0.44	0.058	1	8270D	2/22/16 23:05	JMV	P6B0371
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.44	0.077	1	8270D	2/22/16 23:05	JMV	P6B0371

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-3
Prism Sample ID: 6020323-03
Prism Work Order: 6020323
Time Collected: 02/17/16 08:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.44	0.062	1	8270D	2/22/16 23:05	JMV	P6B0371
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.44	0.076	1	8270D	2/22/16 23:05	JMV	P6B0371
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.44	0.066	1	8270D	2/22/16 23:05	JMV	P6B0371
Butyl benzyl phthalate	BRL	mg/kg dry	0.44	0.063	1	8270D	2/22/16 23:05	JMV	P6B0371
Caprolactam	BRL	mg/kg dry	0.44	0.067	1	8270D	2/22/16 23:05	JMV	P6B0371
Carbazole	BRL	mg/kg dry	0.44	0.068	1	8270D	2/22/16 23:05	JMV	P6B0371
Chrysene	BRL	mg/kg dry	0.44	0.056	1	8270D	2/22/16 23:05	JMV	P6B0371
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.44	0.054	1	8270D	2/22/16 23:05	JMV	P6B0371
Dibenzofuran	BRL	mg/kg dry	0.44	0.067	1	8270D	2/22/16 23:05	JMV	P6B0371
Diethyl phthalate	BRL	mg/kg dry	0.44	0.061	1	8270D	2/22/16 23:05	JMV	P6B0371
Dimethyl phthalate	BRL	mg/kg dry	0.44	0.058	1	8270D	2/22/16 23:05	JMV	P6B0371
Di-n-butyl phthalate	BRL	mg/kg dry	0.44	0.063	1	8270D	2/22/16 23:05	JMV	P6B0371
Di-n-octyl phthalate	BRL	mg/kg dry	0.44	0.054	1	8270D	2/22/16 23:05	JMV	P6B0371
Fluoranthene	BRL	mg/kg dry	0.44	0.056	1	8270D	2/22/16 23:05	JMV	P6B0371
Fluorene	BRL	mg/kg dry	0.44	0.064	1	8270D	2/22/16 23:05	JMV	P6B0371
Hexachlorobenzene	BRL	mg/kg dry	0.44	0.070	1	8270D	2/22/16 23:05	JMV	P6B0371
Hexachlorobutadiene	BRL	mg/kg dry	0.44	0.079	1	8270D	2/22/16 23:05	JMV	P6B0371
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.44	0.079	1	8270D	2/22/16 23:05	JMV	P6B0371
Hexachloroethane	BRL	mg/kg dry	0.44	0.074	1	8270D	2/22/16 23:05	JMV	P6B0371
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.44	0.051	1	8270D	2/22/16 23:05	JMV	P6B0371
Isophorone	BRL	mg/kg dry	0.44	0.060	1	8270D	2/22/16 23:05	JMV	P6B0371
Naphthalene	BRL	mg/kg dry	0.44	0.071	1	8270D	2/22/16 23:05	JMV	P6B0371
Nitrobenzene	BRL	mg/kg dry	0.44	0.063	1	8270D	2/22/16 23:05	JMV	P6B0371
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.44	0.070	1	8270D	2/22/16 23:05	JMV	P6B0371
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.44	0.067	1	8270D	2/22/16 23:05	JMV	P6B0371
Pentachlorophenol	BRL	mg/kg dry	0.44	0.052	1	8270D	2/22/16 23:05	JMV	P6B0371
Phenanthrene	BRL	mg/kg dry	0.44	0.057	1	8270D	2/22/16 23:05	JMV	P6B0371
Phenol	BRL	mg/kg dry	0.44	0.065	1	8270D	2/22/16 23:05	JMV	P6B0371
Pyrene	BRL	mg/kg dry	0.44	0.059	1	8270D	2/22/16 23:05	JMV	P6B0371
TIC: unknown 1	**0.52**	**mg/kg dry**			**1**	**8270D**	**2/22/16 23:05**	**JMV**	**P6B0371**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*89 %*	*37-131*
2-Fluorobiphenyl	*82 %*	*47-130*
2-Fluorophenol	*79 %*	*44-117*
Nitrobenzene-d5	*83 %*	*45-121*
Phenol-d5	*82 %*	*37-127*
Terphenyl-d14	*106 %*	*38-135*

Total Metals

Mercury	BRL	mg/kg dry	0.025	0.0016	1	7471B	2/22/16 10:40	JAB	P6B0382
Antimony	BRL	mg/kg dry	0.34	0.14	10	6020A	3/2/16 19:26	gmart	P6B0438
Arsenic	**0.30 J**	**mg/kg dry**	**2.0**	**0.18**	**10**	**6020A**	**3/2/16 19:26**	**gmart**	**P6B0438**
Beryllium	**0.50**	**mg/kg dry**	**0.34**	**0.14**	**10**	**6020A**	**3/2/16 19:26**	**gmart**	**P6B0438**
Cadmium	BRL	mg/kg dry	0.34	0.15	10	6020A	3/2/16 19:26	gmart	P6B0438

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-3
Prism Sample ID: 6020323-03
Prism Work Order: 6020323
Time Collected: 02/17/16 08:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chromium	**24 BH, B**	**mg/kg dry**	**0.67**	**0.15**	**10**	**6020A**	**3/2/16 19:26**	**gmart**	**P6B0438**
Copper	**32**	**mg/kg dry**	**0.67**	**0.13**	**10**	**6020A**	**3/2/16 19:26**	**gmart**	**P6B0438**
Iron	**23000 B**	**mg/kg dry**	**130**	**29**	**100**	**6020A**	**3/4/16 9:49**	**gmart**	**P6B0438**
Lead	**1.9**	**mg/kg dry**	**0.34**	**0.13**	**10**	**6020A**	**3/2/16 19:26**	**gmart**	**P6B0438**
Manganese	**520**	**mg/kg dry**	**0.34**	**0.10**	**10**	**6020A**	**3/2/16 19:26**	**gmart**	**P6B0438**
Nickel	**56**	**mg/kg dry**	**0.34**	**0.11**	**10**	**6020A**	**3/2/16 19:26**	**gmart**	**P6B0438**
Selenium	BRL	mg/kg dry	1.3	0.13	10	6020A	3/2/16 19:26	gmart	P6B0438
Silver	BRL	mg/kg dry	0.34	0.15	10	6020A	3/2/16 19:26	gmart	P6B0438
Thallium	BRL	mg/kg dry	0.34	0.14	10	6020A	3/2/16 19:26	gmart	P6B0438
Zinc	**57**	**mg/kg dry**	**27**	**1.3**	**10**	**6020A**	**3/2/16 19:26**	**gmart**	**P6B0438**
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0052	0.00025	1	8260B	2/18/16 17:10	MWW	P6B0359
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0052	0.00035	1	8260B	2/18/16 17:10	MWW	P6B0359
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	mg/kg dry	0.010	0.00039	1	8260B	2/18/16 17:10	MWW	P6B0359
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0052	0.00046	1	8260B	2/18/16 17:10	MWW	P6B0359
1,1-Dichloroethane	BRL	mg/kg dry	0.0052	0.00014	1	8260B	2/18/16 17:10	MWW	P6B0359
1,1-Dichloroethylene	BRL	mg/kg dry	0.0052	0.00023	1	8260B	2/18/16 17:10	MWW	P6B0359
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.010	0.00030	1	8260B	2/18/16 17:10	MWW	P6B0359
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.010	0.00039	1	8260B	2/18/16 17:10	MWW	P6B0359
1,2-Dibromo-3-chloropropane	BRL	mg/kg dry	0.0052	0.00039	1	8260B	2/18/16 17:10	MWW	P6B0359
1,2-Dibromoethane	BRL	mg/kg dry	0.0052	0.00021	1	8260B	2/18/16 17:10	MWW	P6B0359
1,2-Dichlorobenzene	BRL	mg/kg dry	0.010	0.00025	1	8260B	2/18/16 17:10	MWW	P6B0359
1,2-Dichloroethane	BRL	mg/kg dry	0.0052	0.00031	1	8260B	2/18/16 17:10	MWW	P6B0359
1,2-Dichloropropane	BRL	mg/kg dry	0.0052	0.00032	1	8260B	2/18/16 17:10	MWW	P6B0359
1,3-Dichlorobenzene	BRL	mg/kg dry	0.010	0.00035	1	8260B	2/18/16 17:10	MWW	P6B0359
1,4-Dichlorobenzene	BRL	mg/kg dry	0.010	0.00021	1	8260B	2/18/16 17:10	MWW	P6B0359
1,4-Dioxane	BRL	mg/kg dry	0.10	0.011	1	8260B	2/18/16 17:10	MWW	P6B0359
Acetone	**0.029**	**mg/kg dry**	**0.021**	**0.0013**	**1**	**8260B**	**2/18/16 17:10**	**MWW**	**P6B0359**
Benzene	BRL	mg/kg dry	0.0031	0.00030	1	8260B	2/18/16 17:10	MWW	P6B0359
Bromochloromethane	BRL	mg/kg dry	0.0052	0.00029	1	8260B	2/18/16 17:10	MWW	P6B0359
Bromodichloromethane	BRL	mg/kg dry	0.0052	0.00029	1	8260B	2/18/16 17:10	MWW	P6B0359
Bromoform	BRL	mg/kg dry	0.0052	0.00059	1	8260B	2/18/16 17:10	MWW	P6B0359
Bromomethane	BRL	mg/kg dry	0.010	0.00064	1	8260B	2/18/16 17:10	MWW	P6B0359
Carbon disulfide	BRL	mg/kg dry	0.010	0.00026	1	8260B	2/18/16 17:10	MWW	P6B0359
Carbon Tetrachloride	BRL	mg/kg dry	0.0052	0.00026	1	8260B	2/18/16 17:10	MWW	P6B0359
Chlorobenzene	BRL	mg/kg dry	0.0052	0.00028	1	8260B	2/18/16 17:10	MWW	P6B0359
Chloroethane	BRL	mg/kg dry	0.010	0.00043	1	8260B	2/18/16 17:10	MWW	P6B0359
Chloroform	BRL	mg/kg dry	0.0052	0.00038	1	8260B	2/18/16 17:10	MWW	P6B0359
Chloromethane	BRL	mg/kg dry	0.010	0.00035	1	8260B	2/18/16 17:10	MWW	P6B0359
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0052	0.00022	1	8260B	2/18/16 17:10	MWW	P6B0359
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0052	0.00018	1	8260B	2/18/16 17:10	MWW	P6B0359
Cyclohexane	BRL	mg/kg dry	0.0052	0.00034	1	8260B	2/18/16 17:10	MWW	P6B0359
Dibromochloromethane	BRL	mg/kg dry	0.0052	0.00021	1	8260B	2/18/16 17:10	MWW	P6B0359

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-3
Prism Sample ID: 6020323-03
Prism Work Order: 6020323
Time Collected: 02/17/16 08:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dichlorodifluoromethane	BRL	mg/kg dry	0.010	0.00024	1	8260B	2/18/16 17:10	MWW	P6B0359
Ethylbenzene	BRL	mg/kg dry	0.0052	0.00020	1	8260B	2/18/16 17:10	MWW	P6B0359
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.010	0.00031	1	8260B	2/18/16 17:10	MWW	P6B0359
m,p-Xylenes	BRL	mg/kg dry	0.010	0.00048	1	8260B	2/18/16 17:10	MWW	P6B0359
Methyl Acetate	BRL	mg/kg dry	0.0052	0.00079	1	8260B	2/18/16 17:10	MWW	P6B0359
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.052	0.00047	1	8260B	2/18/16 17:10	MWW	P6B0359
Methylcyclohexane	BRL	mg/kg dry	0.0052	0.00044	1	8260B	2/18/16 17:10	MWW	P6B0359
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.021	0.00047	1	8260B	2/18/16 17:10	MWW	P6B0359
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.010	0.00044	1	8260B	2/18/16 17:10	MWW	P6B0359
Methylene Chloride	BRL	mg/kg dry	0.010	0.00029	1	8260B	2/18/16 17:10	MWW	P6B0359
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0052	0.00017	1	8260B	2/18/16 17:10	MWW	P6B0359
o-Xylene	BRL	mg/kg dry	0.0052	0.00021	1	8260B	2/18/16 17:10	MWW	P6B0359
Styrene	BRL	mg/kg dry	0.0052	0.00031	1	8260B	2/18/16 17:10	MWW	P6B0359
Tetrachloroethylene	BRL	mg/kg dry	0.010	0.00025	1	8260B	2/18/16 17:10	MWW	P6B0359
Tetrahydrofuran	BRL	mg/kg dry	0.0052	0.00053	1	8260B	2/18/16 17:10	MWW	P6B0359
Toluene	BRL	mg/kg dry	0.0052	0.00030	1	8260B	2/18/16 17:10	MWW	P6B0359
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0052	0.00031	1	8260B	2/18/16 17:10	MWW	P6B0359
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0052	0.00027	1	8260B	2/18/16 17:10	MWW	P6B0359
Trichloroethylene	BRL	mg/kg dry	0.0052	0.00034	1	8260B	2/18/16 17:10	MWW	P6B0359
Trichlorofluoromethane	BRL	mg/kg dry	0.0052	0.00034	1	8260B	2/18/16 17:10	MWW	P6B0359
Vinyl chloride	BRL	mg/kg dry	0.010	0.00025	1	8260B	2/18/16 17:10	MWW	P6B0359
Xylenes, total	BRL	mg/kg dry	0.016	0.00098	1	8260B	2/18/16 17:10	MWW	P6B0359
TIC: Tentatively Identified Compounds	Not Detected	mg/kg dry			1	8260B	2/18/16 17:10	MWW	P6B0359

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*99 %*	*70-130*
Dibromofluoromethane	*100 %*	*84-123*
Toluene-d8	*92 %*	*76-129*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	mg/kg dry	0.011	0.0020	1	8260B SIM	3/1/16 16:36	ANG	P6C0016

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-4
Prism Sample ID: 6020323-04
Prism Work Order: 6020323
Time Collected: 02/17/16 08:15
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
Nitrate as N	BRL	mg/kg	6.0	0.58	1	*SM4500-NO3 F	3/4/16 11:04	CDL	[CALC]
% Solids	**64.7**	**% by Weight**	**0.100**	**0.100**	**1**	**SM2540 G**	**2/24/16 15:25**	**SLS**	**P6B0456**
Ammonia as N	BRL	mg/kg dry	7.7	3.0	1	SM4500-NH3 G	2/25/16 11:11	CLB	P6B0443
Semivolatile Organic Compounds by GC/MS									
1,1'-Biphenyl	BRL	mg/kg dry	0.51	0.042	1	8270D	2/22/16 23:27	JMV	P6B0371
2,3,4,6-Tetrachlorophenol	BRL	mg/kg dry	0.51	0.079	1	8270D	2/22/16 23:27	JMV	P6B0371
2,4,5-Trichlorophenol	BRL	mg/kg dry	0.51	0.096	1	8270D	2/22/16 23:27	JMV	P6B0371
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.51	0.096	1	8270D	2/22/16 23:27	JMV	P6B0371
2,4-Dichlorophenol	BRL	mg/kg dry	0.51	0.099	1	8270D	2/22/16 23:27	JMV	P6B0371
2,4-Dimethylphenol	BRL	mg/kg dry	0.51	0.078	1	8270D	2/22/16 23:27	JMV	P6B0371
2,4-Dinitrophenol	BRL	mg/kg dry	0.51	0.071	1	8270D	2/22/16 23:27	JMV	P6B0371
2,4-Dinitrotoluene	BRL	mg/kg dry	0.51	0.062	1	8270D	2/22/16 23:27	JMV	P6B0371
2,6-Dinitrotoluene	BRL	mg/kg dry	0.51	0.068	1	8270D	2/22/16 23:27	JMV	P6B0371
2-Chloronaphthalene	BRL	mg/kg dry	0.51	0.074	1	8270D	2/22/16 23:27	JMV	P6B0371
2-Chlorophenol	BRL	mg/kg dry	0.51	0.072	1	8270D	2/22/16 23:27	JMV	P6B0371
2-Methylnaphthalene	BRL	mg/kg dry	0.51	0.082	1	8270D	2/22/16 23:27	JMV	P6B0371
2-Methylphenol	BRL	mg/kg dry	0.51	0.065	1	8270D	2/22/16 23:27	JMV	P6B0371
2-Nitroaniline	BRL	mg/kg dry	0.51	0.092	1	8270D	2/22/16 23:27	JMV	P6B0371
2-Nitrophenol	BRL	mg/kg dry	0.51	0.093	1	8270D	2/22/16 23:27	JMV	P6B0371
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.51	0.10	1	8270D	2/22/16 23:27	JMV	P6B0371
3/4-Methylphenol	BRL	mg/kg dry	0.51	0.063	1	8270D	2/22/16 23:27	JMV	P6B0371
3-Nitroaniline	BRL	mg/kg dry	0.51	0.088	1	8270D	2/22/16 23:27	JMV	P6B0371
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.51	0.077	1	8270D	2/22/16 23:27	JMV	P6B0371
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.51	0.088	1	8270D	2/22/16 23:27	JMV	P6B0371
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.51	0.072	1	8270D	2/22/16 23:27	JMV	P6B0371
4-Chloroaniline	BRL	mg/kg dry	0.51	0.061	1	8270D	2/22/16 23:27	JMV	P6B0371
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.51	0.066	1	8270D	2/22/16 23:27	JMV	P6B0371
4-Nitroaniline	BRL	mg/kg dry	0.51	0.093	1	8270D	2/22/16 23:27	JMV	P6B0371
4-Nitrophenol	BRL	mg/kg dry	0.51	0.079	1	8270D	2/22/16 23:27	JMV	P6B0371
Acenaphthene	BRL	mg/kg dry	0.51	0.069	1	8270D	2/22/16 23:27	JMV	P6B0371
Acenaphthylene	BRL	mg/kg dry	0.51	0.074	1	8270D	2/22/16 23:27	JMV	P6B0371
Acetophenone	BRL	mg/kg dry	0.51	0.085	1	8270D	2/22/16 23:27	JMV	P6B0371
Anthracene	BRL	mg/kg dry	0.51	0.082	1	8270D	2/22/16 23:27	JMV	P6B0371
Atrazine	BRL	mg/kg dry	0.51	0.079	1	8270D	2/22/16 23:27	JMV	P6B0371
Benzaldehyde	BRL	mg/kg dry	0.51	0.045	1	8270D	2/22/16 23:27	JMV	P6B0371
Benzo(a)anthracene	BRL	mg/kg dry	0.51	0.067	1	8270D	2/22/16 23:27	JMV	P6B0371
Benzo(a)pyrene	BRL	mg/kg dry	0.51	0.055	1	8270D	2/22/16 23:27	JMV	P6B0371
Benzo(b)fluoranthene	BRL	mg/kg dry	0.51	0.059	1	8270D	2/22/16 23:27	JMV	P6B0371
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.51	0.056	1	8270D	2/22/16 23:27	JMV	P6B0371
Benzo(k)fluoranthene	BRL	mg/kg dry	0.51	0.067	1	8270D	2/22/16 23:27	JMV	P6B0371
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.51	0.088	1	8270D	2/22/16 23:27	JMV	P6B0371

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-4
Prism Sample ID: 6020323-04
Prism Work Order: 6020323
Time Collected: 02/17/16 08:15
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.51	0.072	1	8270D	2/22/16 23:27	JMV	P6B0371
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.51	0.087	1	8270D	2/22/16 23:27	JMV	P6B0371
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.51	0.076	1	8270D	2/22/16 23:27	JMV	P6B0371
Butyl benzyl phthalate	BRL	mg/kg dry	0.51	0.073	1	8270D	2/22/16 23:27	JMV	P6B0371
Caprolactam	BRL	mg/kg dry	0.51	0.077	1	8270D	2/22/16 23:27	JMV	P6B0371
Carbazole	BRL	mg/kg dry	0.51	0.078	1	8270D	2/22/16 23:27	JMV	P6B0371
Chrysene	BRL	mg/kg dry	0.51	0.064	1	8270D	2/22/16 23:27	JMV	P6B0371
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.51	0.062	1	8270D	2/22/16 23:27	JMV	P6B0371
Dibenzofuran	BRL	mg/kg dry	0.51	0.078	1	8270D	2/22/16 23:27	JMV	P6B0371
Diethyl phthalate	BRL	mg/kg dry	0.51	0.070	1	8270D	2/22/16 23:27	JMV	P6B0371
Dimethyl phthalate	BRL	mg/kg dry	0.51	0.067	1	8270D	2/22/16 23:27	JMV	P6B0371
Di-n-butyl phthalate	BRL	mg/kg dry	0.51	0.072	1	8270D	2/22/16 23:27	JMV	P6B0371
Di-n-octyl phthalate	BRL	mg/kg dry	0.51	0.063	1	8270D	2/22/16 23:27	JMV	P6B0371
Fluoranthene	BRL	mg/kg dry	0.51	0.065	1	8270D	2/22/16 23:27	JMV	P6B0371
Fluorene	BRL	mg/kg dry	0.51	0.073	1	8270D	2/22/16 23:27	JMV	P6B0371
Hexachlorobenzene	BRL	mg/kg dry	0.51	0.081	1	8270D	2/22/16 23:27	JMV	P6B0371
Hexachlorobutadiene	BRL	mg/kg dry	0.51	0.092	1	8270D	2/22/16 23:27	JMV	P6B0371
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.51	0.091	1	8270D	2/22/16 23:27	JMV	P6B0371
Hexachloroethane	BRL	mg/kg dry	0.51	0.085	1	8270D	2/22/16 23:27	JMV	P6B0371
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.51	0.059	1	8270D	2/22/16 23:27	JMV	P6B0371
Isophorone	BRL	mg/kg dry	0.51	0.069	1	8270D	2/22/16 23:27	JMV	P6B0371
Naphthalene	BRL	mg/kg dry	0.51	0.082	1	8270D	2/22/16 23:27	JMV	P6B0371
Nitrobenzene	BRL	mg/kg dry	0.51	0.072	1	8270D	2/22/16 23:27	JMV	P6B0371
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.51	0.080	1	8270D	2/22/16 23:27	JMV	P6B0371
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.51	0.078	1	8270D	2/22/16 23:27	JMV	P6B0371
Pentachlorophenol	BRL	mg/kg dry	0.51	0.060	1	8270D	2/22/16 23:27	JMV	P6B0371
Phenanthrene	BRL	mg/kg dry	0.51	0.066	1	8270D	2/22/16 23:27	JMV	P6B0371
Phenol	BRL	mg/kg dry	0.51	0.075	1	8270D	2/22/16 23:27	JMV	P6B0371
Pyrene	BRL	mg/kg dry	0.51	0.067	1	8270D	2/22/16 23:27	JMV	P6B0371
TIC: Tentatively Identified Compounds	Not Detected	mg/kg dry			1	8270D	2/22/16 23:27	JMV	P6B0371

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*79 %*	*37-131*
2-Fluorobiphenyl	*75 %*	*47-130*
2-Fluorophenol	*76 %*	*44-117*
Nitrobenzene-d5	*79 %*	*45-121*
Phenol-d5	*79 %*	*37-127*
Terphenyl-d14	*97 %*	*38-135*

Total Metals

Mercury	BRL	mg/kg dry	0.029	0.0019	1	7471B	2/22/16 10:44	JAB	P6B0382
Antimony	BRL	mg/kg dry	0.38	0.16	10	6020A	3/2/16 19:29	gmart	P6B0438
Arsenic	**1.1 J**	**mg/kg dry**	**2.3**	**0.20**	**10**	**6020A**	**3/2/16 19:29**	**gmart**	**P6B0438**
Beryllium	**1.4**	**mg/kg dry**	**0.38**	**0.16**	**10**	**6020A**	**3/2/16 19:29**	**gmart**	**P6B0438**

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-4
Prism Sample ID: 6020323-04
Prism Work Order: 6020323
Time Collected: 02/17/16 08:15
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Cadmium	BRL	mg/kg dry	0.38	0.17	10	6020A	3/2/16 19:29	gmart	P6B0438
Chromium	**48 BH, B**	**mg/kg dry**	**0.77**	**0.17**	**10**	**6020A**	**3/2/16 19:29**	**gmart**	**P6B0438**
Copper	**1.6**	**mg/kg dry**	**0.77**	**0.15**	**10**	**6020A**	**3/2/16 19:29**	**gmart**	**P6B0438**
Iron	**50000 B**	**mg/kg dry**	**150**	**33**	**100**	**6020A**	**3/4/16 9:53**	**gmart**	**P6B0438**
Lead	**8.3**	**mg/kg dry**	**0.38**	**0.15**	**10**	**6020A**	**3/2/16 19:29**	**gmart**	**P6B0438**
Manganese	**800**	**mg/kg dry**	**0.38**	**0.12**	**10**	**6020A**	**3/2/16 19:29**	**gmart**	**P6B0438**
Nickel	**58**	**mg/kg dry**	**0.38**	**0.13**	**10**	**6020A**	**3/2/16 19:29**	**gmart**	**P6B0438**
Selenium	BRL	mg/kg dry	1.5	0.15	10	6020A	3/2/16 19:29	gmart	P6B0438
Silver	BRL	mg/kg dry	0.38	0.17	10	6020A	3/2/16 19:29	gmart	P6B0438
Thallium	BRL	mg/kg dry	0.38	0.16	10	6020A	3/2/16 19:29	gmart	P6B0438
Zinc	**110**	**mg/kg dry**	**31**	**1.4**	**10**	**6020A**	**3/2/16 19:29**	**gmart**	**P6B0438**
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0080	0.00039	1	8260B	2/18/16 17:37	MWW	P6B0359
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0080	0.00054	1	8260B	2/18/16 17:37	MWW	P6B0359
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	mg/kg dry	0.016	0.00060	1	8260B	2/18/16 17:37	MWW	P6B0359
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0080	0.00071	1	8260B	2/18/16 17:37	MWW	P6B0359
1,1-Dichloroethane	BRL	mg/kg dry	0.0080	0.00022	1	8260B	2/18/16 17:37	MWW	P6B0359
1,1-Dichloroethylene	BRL	mg/kg dry	0.0080	0.00035	1	8260B	2/18/16 17:37	MWW	P6B0359
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.016	0.00045	1	8260B	2/18/16 17:37	MWW	P6B0359
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.016	0.00060	1	8260B	2/18/16 17:37	MWW	P6B0359
1,2-Dibromo-3-chloropropane	BRL	mg/kg dry	0.0080	0.00059	1	8260B	2/18/16 17:37	MWW	P6B0359
1,2-Dibromoethane	BRL	mg/kg dry	0.0080	0.00032	1	8260B	2/18/16 17:37	MWW	P6B0359
1,2-Dichlorobenzene	BRL	mg/kg dry	0.016	0.00038	1	8260B	2/18/16 17:37	MWW	P6B0359
1,2-Dichloroethane	BRL	mg/kg dry	0.0080	0.00048	1	8260B	2/18/16 17:37	MWW	P6B0359
1,2-Dichloropropane	BRL	mg/kg dry	0.0080	0.00050	1	8260B	2/18/16 17:37	MWW	P6B0359
1,3-Dichlorobenzene	BRL	mg/kg dry	0.016	0.00053	1	8260B	2/18/16 17:37	MWW	P6B0359
1,4-Dichlorobenzene	BRL	mg/kg dry	0.016	0.00032	1	8260B	2/18/16 17:37	MWW	P6B0359
1,4-Dioxane	BRL	mg/kg dry	0.16	0.016	1	8260B	2/18/16 17:37	MWW	P6B0359
Acetone	**0.035**	**mg/kg dry**	**0.032**	**0.0020**	**1**	**8260B**	**2/18/16 17:37**	**MWW**	**P6B0359**
Benzene	BRL	mg/kg dry	0.0048	0.00047	1	8260B	2/18/16 17:37	MWW	P6B0359
Bromochloromethane	BRL	mg/kg dry	0.0080	0.00044	1	8260B	2/18/16 17:37	MWW	P6B0359
Bromodichloromethane	BRL	mg/kg dry	0.0080	0.00045	1	8260B	2/18/16 17:37	MWW	P6B0359
Bromoform	BRL	mg/kg dry	0.0080	0.00091	1	8260B	2/18/16 17:37	MWW	P6B0359
Bromomethane	BRL	mg/kg dry	0.016	0.00099	1	8260B	2/18/16 17:37	MWW	P6B0359
Carbon disulfide	BRL	mg/kg dry	0.016	0.00039	1	8260B	2/18/16 17:37	MWW	P6B0359
Carbon Tetrachloride	BRL	mg/kg dry	0.0080	0.00040	1	8260B	2/18/16 17:37	MWW	P6B0359
Chlorobenzene	BRL	mg/kg dry	0.0080	0.00042	1	8260B	2/18/16 17:37	MWW	P6B0359
Chloroethane	BRL	mg/kg dry	0.016	0.00067	1	8260B	2/18/16 17:37	MWW	P6B0359
Chloroform	BRL	mg/kg dry	0.0080	0.00058	1	8260B	2/18/16 17:37	MWW	P6B0359
Chloromethane	BRL	mg/kg dry	0.016	0.00054	1	8260B	2/18/16 17:37	MWW	P6B0359
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0080	0.00034	1	8260B	2/18/16 17:37	MWW	P6B0359
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0080	0.00027	1	8260B	2/18/16 17:37	MWW	P6B0359
Cyclohexane	BRL	mg/kg dry	0.0080	0.00052	1	8260B	2/18/16 17:37	MWW	P6B0359

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: SED-4
Prism Sample ID: 6020323-04
Prism Work Order: 6020323
Time Collected: 02/17/16 08:15
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	mg/kg dry	0.0080	0.00033	1	8260B	2/18/16 17:37	MWW	P6B0359
Dichlorodifluoromethane	BRL	mg/kg dry	0.016	0.00036	1	8260B	2/18/16 17:37	MWW	P6B0359
Ethylbenzene	BRL	mg/kg dry	0.0080	0.00031	1	8260B	2/18/16 17:37	MWW	P6B0359
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.016	0.00047	1	8260B	2/18/16 17:37	MWW	P6B0359
m,p-Xylenes	BRL	mg/kg dry	0.016	0.00074	1	8260B	2/18/16 17:37	MWW	P6B0359
Methyl Acetate	BRL	mg/kg dry	0.0080	0.0012	1	8260B	2/18/16 17:37	MWW	P6B0359
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.080	0.00072	1	8260B	2/18/16 17:37	MWW	P6B0359
Methylcyclohexane	BRL	mg/kg dry	0.0080	0.00068	1	8260B	2/18/16 17:37	MWW	P6B0359
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.032	0.00072	1	8260B	2/18/16 17:37	MWW	P6B0359
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.016	0.00068	1	8260B	2/18/16 17:37	MWW	P6B0359
Methylene Chloride	BRL	mg/kg dry	0.016	0.00045	1	8260B	2/18/16 17:37	MWW	P6B0359
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0080	0.00026	1	8260B	2/18/16 17:37	MWW	P6B0359
o-Xylene	BRL	mg/kg dry	0.0080	0.00033	1	8260B	2/18/16 17:37	MWW	P6B0359
Styrene	BRL	mg/kg dry	0.0080	0.00048	1	8260B	2/18/16 17:37	MWW	P6B0359
Tetrachloroethylene	BRL	mg/kg dry	0.016	0.00038	1	8260B	2/18/16 17:37	MWW	P6B0359
Tetrahydrofuran	BRL	mg/kg dry	0.0080	0.00082	1	8260B	2/18/16 17:37	MWW	P6B0359
Toluene	BRL	mg/kg dry	0.0080	0.00046	1	8260B	2/18/16 17:37	MWW	P6B0359
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0080	0.00048	1	8260B	2/18/16 17:37	MWW	P6B0359
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0080	0.00042	1	8260B	2/18/16 17:37	MWW	P6B0359
Trichloroethylene	BRL	mg/kg dry	0.0080	0.00052	1	8260B	2/18/16 17:37	MWW	P6B0359
Trichlorofluoromethane	BRL	mg/kg dry	0.0080	0.00052	1	8260B	2/18/16 17:37	MWW	P6B0359
Vinyl chloride	BRL	mg/kg dry	0.016	0.00039	1	8260B	2/18/16 17:37	MWW	P6B0359
Xylenes, total	BRL	mg/kg dry	0.024	0.0015	1	8260B	2/18/16 17:37	MWW	P6B0359
TIC: Tentatively Identified Compounds	Not Detected	mg/kg dry			1	8260B	2/18/16 17:37	MWW	P6B0359

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*99 %*	*70-130*
Dibromofluoromethane	*101 %*	*84-123*
Toluene-d8	*93 %*	*76-129*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	mg/kg dry	0.024	0.0042	1	8260B SIM	3/1/16 17:08	ANG	P6C0016

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: Dup
Prism Sample ID: 6020323-05
Prism Work Order: 6020323
Time Collected: 02/17/16 08:30
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
Nitrate as N	BRL	mg/kg	6.0	0.58	1	*SM4500-NO3 F	3/4/16 11:04	CDL	[CALC]
% Solids	**71.4**	**% by Weight**	**0.100**	**0.100**	**1**	**SM2540 G**	**2/24/16 15:25**	**SLS**	**P6B0456**
Ammonia as N	BRL	mg/kg dry	7.0	2.7	1	SM4500-NH3 G	2/25/16 11:11	CLB	P6B0443
Semivolatile Organic Compounds by GC/MS									
1,1'-Biphenyl	BRL	mg/kg dry	0.46	0.038	1	8270D	2/22/16 23:49	JMV	P6B0371
2,3,4,6-Tetrachlorophenol	BRL	mg/kg dry	0.46	0.072	1	8270D	2/22/16 23:49	JMV	P6B0371
2,4,5-Trichlorophenol	BRL	mg/kg dry	0.46	0.087	1	8270D	2/22/16 23:49	JMV	P6B0371
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.46	0.087	1	8270D	2/22/16 23:49	JMV	P6B0371
2,4-Dichlorophenol	BRL	mg/kg dry	0.46	0.089	1	8270D	2/22/16 23:49	JMV	P6B0371
2,4-Dimethylphenol	BRL	mg/kg dry	0.46	0.071	1	8270D	2/22/16 23:49	JMV	P6B0371
2,4-Dinitrophenol	BRL	mg/kg dry	0.46	0.065	1	8270D	2/22/16 23:49	JMV	P6B0371
2,4-Dinitrotoluene	BRL	mg/kg dry	0.46	0.056	1	8270D	2/22/16 23:49	JMV	P6B0371
2,6-Dinitrotoluene	BRL	mg/kg dry	0.46	0.061	1	8270D	2/22/16 23:49	JMV	P6B0371
2-Chloronaphthalene	BRL	mg/kg dry	0.46	0.067	1	8270D	2/22/16 23:49	JMV	P6B0371
2-Chlorophenol	BRL	mg/kg dry	0.46	0.065	1	8270D	2/22/16 23:49	JMV	P6B0371
2-Methylnaphthalene	BRL	mg/kg dry	0.46	0.074	1	8270D	2/22/16 23:49	JMV	P6B0371
2-Methylphenol	BRL	mg/kg dry	0.46	0.059	1	8270D	2/22/16 23:49	JMV	P6B0371
2-Nitroaniline	BRL	mg/kg dry	0.46	0.084	1	8270D	2/22/16 23:49	JMV	P6B0371
2-Nitrophenol	BRL	mg/kg dry	0.46	0.084	1	8270D	2/22/16 23:49	JMV	P6B0371
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.46	0.091	1	8270D	2/22/16 23:49	JMV	P6B0371
3/4-Methylphenol	BRL	mg/kg dry	0.46	0.057	1	8270D	2/22/16 23:49	JMV	P6B0371
3-Nitroaniline	BRL	mg/kg dry	0.46	0.079	1	8270D	2/22/16 23:49	JMV	P6B0371
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.46	0.069	1	8270D	2/22/16 23:49	JMV	P6B0371
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.46	0.079	1	8270D	2/22/16 23:49	JMV	P6B0371
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.46	0.065	1	8270D	2/22/16 23:49	JMV	P6B0371
4-Chloroaniline	BRL	mg/kg dry	0.46	0.056	1	8270D	2/22/16 23:49	JMV	P6B0371
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.46	0.060	1	8270D	2/22/16 23:49	JMV	P6B0371
4-Nitroaniline	BRL	mg/kg dry	0.46	0.084	1	8270D	2/22/16 23:49	JMV	P6B0371
4-Nitrophenol	BRL	mg/kg dry	0.46	0.071	1	8270D	2/22/16 23:49	JMV	P6B0371
Acenaphthene	BRL	mg/kg dry	0.46	0.063	1	8270D	2/22/16 23:49	JMV	P6B0371
Acenaphthylene	BRL	mg/kg dry	0.46	0.067	1	8270D	2/22/16 23:49	JMV	P6B0371
Acetophenone	BRL	mg/kg dry	0.46	0.077	1	8270D	2/22/16 23:49	JMV	P6B0371
Anthracene	BRL	mg/kg dry	0.46	0.074	1	8270D	2/22/16 23:49	JMV	P6B0371
Atrazine	BRL	mg/kg dry	0.46	0.072	1	8270D	2/22/16 23:49	JMV	P6B0371
Benzaldehyde	BRL	mg/kg dry	0.46	0.040	1	8270D	2/22/16 23:49	JMV	P6B0371
Benzo(a)anthracene	BRL	mg/kg dry	0.46	0.060	1	8270D	2/22/16 23:49	JMV	P6B0371
Benzo(a)pyrene	BRL	mg/kg dry	0.46	0.050	1	8270D	2/22/16 23:49	JMV	P6B0371
Benzo(b)fluoranthene	BRL	mg/kg dry	0.46	0.054	1	8270D	2/22/16 23:49	JMV	P6B0371
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.46	0.051	1	8270D	2/22/16 23:49	JMV	P6B0371
Benzo(k)fluoranthene	BRL	mg/kg dry	0.46	0.061	1	8270D	2/22/16 23:49	JMV	P6B0371
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.46	0.080	1	8270D	2/22/16 23:49	JMV	P6B0371

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: Dup
Prism Sample ID: 6020323-05
Prism Work Order: 6020323
Time Collected: 02/17/16 08:30
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.46	0.065	1	8270D	2/22/16 23:49	JMV	P6B0371
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.46	0.079	1	8270D	2/22/16 23:49	JMV	P6B0371
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.46	0.069	1	8270D	2/22/16 23:49	JMV	P6B0371
Butyl benzyl phthalate	BRL	mg/kg dry	0.46	0.066	1	8270D	2/22/16 23:49	JMV	P6B0371
Caprolactam	BRL	mg/kg dry	0.46	0.070	1	8270D	2/22/16 23:49	JMV	P6B0371
Carbazole	BRL	mg/kg dry	0.46	0.071	1	8270D	2/22/16 23:49	JMV	P6B0371
Chrysene	BRL	mg/kg dry	0.46	0.058	1	8270D	2/22/16 23:49	JMV	P6B0371
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.46	0.056	1	8270D	2/22/16 23:49	JMV	P6B0371
Dibenzofuran	BRL	mg/kg dry	0.46	0.070	1	8270D	2/22/16 23:49	JMV	P6B0371
Diethyl phthalate	BRL	mg/kg dry	0.46	0.064	1	8270D	2/22/16 23:49	JMV	P6B0371
Dimethyl phthalate	BRL	mg/kg dry	0.46	0.061	1	8270D	2/22/16 23:49	JMV	P6B0371
Di-n-butyl phthalate	BRL	mg/kg dry	0.46	0.066	1	8270D	2/22/16 23:49	JMV	P6B0371
Di-n-octyl phthalate	BRL	mg/kg dry	0.46	0.057	1	8270D	2/22/16 23:49	JMV	P6B0371
Fluoranthene	BRL	mg/kg dry	0.46	0.059	1	8270D	2/22/16 23:49	JMV	P6B0371
Fluorene	BRL	mg/kg dry	0.46	0.066	1	8270D	2/22/16 23:49	JMV	P6B0371
Hexachlorobenzene	BRL	mg/kg dry	0.46	0.073	1	8270D	2/22/16 23:49	JMV	P6B0371
Hexachlorobutadiene	BRL	mg/kg dry	0.46	0.083	1	8270D	2/22/16 23:49	JMV	P6B0371
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.46	0.082	1	8270D	2/22/16 23:49	JMV	P6B0371
Hexachloroethane	BRL	mg/kg dry	0.46	0.077	1	8270D	2/22/16 23:49	JMV	P6B0371
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.46	0.053	1	8270D	2/22/16 23:49	JMV	P6B0371
Isophorone	BRL	mg/kg dry	0.46	0.063	1	8270D	2/22/16 23:49	JMV	P6B0371
Naphthalene	BRL	mg/kg dry	0.46	0.074	1	8270D	2/22/16 23:49	JMV	P6B0371
Nitrobenzene	BRL	mg/kg dry	0.46	0.066	1	8270D	2/22/16 23:49	JMV	P6B0371
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.46	0.073	1	8270D	2/22/16 23:49	JMV	P6B0371
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.46	0.070	1	8270D	2/22/16 23:49	JMV	P6B0371
Pentachlorophenol	BRL	mg/kg dry	0.46	0.055	1	8270D	2/22/16 23:49	JMV	P6B0371
Phenanthrene	BRL	mg/kg dry	0.46	0.060	1	8270D	2/22/16 23:49	JMV	P6B0371
Phenol	BRL	mg/kg dry	0.46	0.068	1	8270D	2/22/16 23:49	JMV	P6B0371
Pyrene	BRL	mg/kg dry	0.46	0.061	1	8270D	2/22/16 23:49	JMV	P6B0371
TIC: unknown 1	**0.84**	**mg/kg dry**			**1**	**8270D**	**2/22/16 23:49**	**JMV**	**P6B0371**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*74 %*	*37-131*
2-Fluorobiphenyl	*64 %*	*47-130*
2-Fluorophenol	*64 %*	*44-117*
Nitrobenzene-d5	*67 %*	*45-121*
Phenol-d5	*68 %*	*37-127*
Terphenyl-d14	*96 %*	*38-135*

Total Metals

Mercury	BRL	mg/kg dry	0.027	0.0018	1	7471B	2/22/16 10:49	JAB	P6B0382
Antimony	BRL	mg/kg dry	0.35	0.15	10	6020A	3/2/16 19:33	gmart	P6B0438
Arsenic	**0.43 J**	**mg/kg dry**	**2.1**	**0.18**	**10**	**6020A**	**3/2/16 19:33**	**gmart**	**P6B0438**
Beryllium	**0.47**	**mg/kg dry**	**0.35**	**0.15**	**10**	**6020A**	**3/2/16 19:33**	**gmart**	**P6B0438**
Cadmium	BRL	mg/kg dry	0.35	0.15	10	6020A	3/2/16 19:33	gmart	P6B0438

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: Dup
Prism Sample ID: 6020323-05
Prism Work Order: 6020323
Time Collected: 02/17/16 08:30
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chromium	**20 BH, B**	**mg/kg dry**	**0.69**	**0.16**	**10**	**6020A**	**3/2/16 19:33**	**gmart**	**P6B0438**
Copper	**30**	**mg/kg dry**	**0.69**	**0.14**	**10**	**6020A**	**3/2/16 19:33**	**gmart**	**P6B0438**
Iron	**20000 B**	**mg/kg dry**	**140**	**30**	**100**	**6020A**	**3/4/16 9:56**	**gmart**	**P6B0438**
Lead	**2.2**	**mg/kg dry**	**0.35**	**0.14**	**10**	**6020A**	**3/2/16 19:33**	**gmart**	**P6B0438**
Manganese	**480**	**mg/kg dry**	**0.35**	**0.10**	**10**	**6020A**	**3/2/16 19:33**	**gmart**	**P6B0438**
Nickel	**42**	**mg/kg dry**	**0.35**	**0.12**	**10**	**6020A**	**3/2/16 19:33**	**gmart**	**P6B0438**
Selenium	BRL	mg/kg dry	1.4	0.14	10	6020A	3/2/16 19:33	gmart	P6B0438
Silver	BRL	mg/kg dry	0.35	0.16	10	6020A	3/2/16 19:33	gmart	P6B0438
Thallium	BRL	mg/kg dry	0.35	0.15	10	6020A	3/2/16 19:33	gmart	P6B0438
Zinc	**48**	**mg/kg dry**	**28**	**1.3**	**10**	**6020A**	**3/2/16 19:33**	**gmart**	**P6B0438**
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0057	0.00028	1	8260B	2/18/16 18:05	MWW	P6B0359
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0057	0.00038	1	8260B	2/18/16 18:05	MWW	P6B0359
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	mg/kg dry	0.011	0.00042	1	8260B	2/18/16 18:05	MWW	P6B0359
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0057	0.00050	1	8260B	2/18/16 18:05	MWW	P6B0359
1,1-Dichloroethane	BRL	mg/kg dry	0.0057	0.00016	1	8260B	2/18/16 18:05	MWW	P6B0359
1,1-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00025	1	8260B	2/18/16 18:05	MWW	P6B0359
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.011	0.00032	1	8260B	2/18/16 18:05	MWW	P6B0359
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.011	0.00042	1	8260B	2/18/16 18:05	MWW	P6B0359
1,2-Dibromo-3-chloropropane	BRL	mg/kg dry	0.0057	0.00042	1	8260B	2/18/16 18:05	MWW	P6B0359
1,2-Dibromoethane	BRL	mg/kg dry	0.0057	0.00023	1	8260B	2/18/16 18:05	MWW	P6B0359
1,2-Dichlorobenzene	BRL	mg/kg dry	0.011	0.00027	1	8260B	2/18/16 18:05	MWW	P6B0359
1,2-Dichloroethane	BRL	mg/kg dry	0.0057	0.00034	1	8260B	2/18/16 18:05	MWW	P6B0359
1,2-Dichloropropane	BRL	mg/kg dry	0.0057	0.00035	1	8260B	2/18/16 18:05	MWW	P6B0359
1,3-Dichlorobenzene	BRL	mg/kg dry	0.011	0.00038	1	8260B	2/18/16 18:05	MWW	P6B0359
1,4-Dichlorobenzene	BRL	mg/kg dry	0.011	0.00022	1	8260B	2/18/16 18:05	MWW	P6B0359
1,4-Dioxane	BRL	mg/kg dry	0.11	0.011	1	8260B	2/18/16 18:05	MWW	P6B0359
Acetone	**0.066**	**mg/kg dry**	**0.023**	**0.0014**	**1**	**8260B**	**2/18/16 18:05**	**MWW**	**P6B0359**
Benzene	BRL	mg/kg dry	0.0034	0.00033	1	8260B	2/18/16 18:05	MWW	P6B0359
Bromochloromethane	BRL	mg/kg dry	0.0057	0.00031	1	8260B	2/18/16 18:05	MWW	P6B0359
Bromodichloromethane	BRL	mg/kg dry	0.0057	0.00032	1	8260B	2/18/16 18:05	MWW	P6B0359
Bromoform	BRL	mg/kg dry	0.0057	0.00065	1	8260B	2/18/16 18:05	MWW	P6B0359
Bromomethane	BRL	mg/kg dry	0.011	0.00070	1	8260B	2/18/16 18:05	MWW	P6B0359
Carbon disulfide	BRL	mg/kg dry	0.011	0.00028	1	8260B	2/18/16 18:05	MWW	P6B0359
Carbon Tetrachloride	BRL	mg/kg dry	0.0057	0.00028	1	8260B	2/18/16 18:05	MWW	P6B0359
Chlorobenzene	BRL	mg/kg dry	0.0057	0.00030	1	8260B	2/18/16 18:05	MWW	P6B0359
Chloroethane	BRL	mg/kg dry	0.011	0.00047	1	8260B	2/18/16 18:05	MWW	P6B0359
Chloroform	BRL	mg/kg dry	0.0057	0.00041	1	8260B	2/18/16 18:05	MWW	P6B0359
Chloromethane	BRL	mg/kg dry	0.011	0.00038	1	8260B	2/18/16 18:05	MWW	P6B0359
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00024	1	8260B	2/18/16 18:05	MWW	P6B0359
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00019	1	8260B	2/18/16 18:05	MWW	P6B0359
Cyclohexane	BRL	mg/kg dry	0.0057	0.00037	1	8260B	2/18/16 18:05	MWW	P6B0359
Dibromochloromethane	BRL	mg/kg dry	0.0057	0.00023	1	8260B	2/18/16 18:05	MWW	P6B0359

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Solid

Client Sample ID: Dup
Prism Sample ID: 6020323-05
Prism Work Order: 6020323
Time Collected: 02/17/16 08:30
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dichlorodifluoromethane	BRL	mg/kg dry	0.011	0.00026	1	8260B	2/18/16 18:05	MWW	P6B0359
Ethylbenzene	BRL	mg/kg dry	0.0057	0.00022	1	8260B	2/18/16 18:05	MWW	P6B0359
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.011	0.00034	1	8260B	2/18/16 18:05	MWW	P6B0359
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00052	1	8260B	2/18/16 18:05	MWW	P6B0359
Methyl Acetate	BRL	mg/kg dry	0.0057	0.00086	1	8260B	2/18/16 18:05	MWW	P6B0359
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.057	0.00051	1	8260B	2/18/16 18:05	MWW	P6B0359
Methylcyclohexane	BRL	mg/kg dry	0.0057	0.00048	1	8260B	2/18/16 18:05	MWW	P6B0359
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.023	0.00051	1	8260B	2/18/16 18:05	MWW	P6B0359
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.011	0.00048	1	8260B	2/18/16 18:05	MWW	P6B0359
Methylene Chloride	BRL	mg/kg dry	0.011	0.00032	1	8260B	2/18/16 18:05	MWW	P6B0359
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0057	0.00018	1	8260B	2/18/16 18:05	MWW	P6B0359
o-Xylene	BRL	mg/kg dry	0.0057	0.00023	1	8260B	2/18/16 18:05	MWW	P6B0359
Styrene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	2/18/16 18:05	MWW	P6B0359
Tetrachloroethylene	BRL	mg/kg dry	0.011	0.00027	1	8260B	2/18/16 18:05	MWW	P6B0359
Tetrahydrofuran	BRL	mg/kg dry	0.0057	0.00058	1	8260B	2/18/16 18:05	MWW	P6B0359
Toluene	BRL	mg/kg dry	0.0057	0.00033	1	8260B	2/18/16 18:05	MWW	P6B0359
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	2/18/16 18:05	MWW	P6B0359
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00030	1	8260B	2/18/16 18:05	MWW	P6B0359
Trichloroethylene	BRL	mg/kg dry	0.0057	0.00037	1	8260B	2/18/16 18:05	MWW	P6B0359
Trichlorofluoromethane	BRL	mg/kg dry	0.0057	0.00037	1	8260B	2/18/16 18:05	MWW	P6B0359
Vinyl chloride	BRL	mg/kg dry	0.011	0.00028	1	8260B	2/18/16 18:05	MWW	P6B0359
Xylenes, total	BRL	mg/kg dry	0.017	0.0011	1	8260B	2/18/16 18:05	MWW	P6B0359
TIC: Hexanal	**0.023**	**mg/kg dry**			**1**	**8260B**	**2/18/16 18:05**	**MWW**	**P6B0359**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*99 %*	*70-130*
Dibromofluoromethane	*100 %*	*84-123*
Toluene-d8	*92 %*	*76-129*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	mg/kg dry	0.012	0.0021	1	8260B SIM	3/2/16 8:31	ANG	P6C0016

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0359 - 5035										
Blank (P6B0359-BLK1)				Prepared & Analyzed: 02/18/16						
1,1,1-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	0.010	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							
1,2,3-Trichlorobenzene	BRL	0.010	mg/kg wet							
1,2,4-Trichlorobenzene	BRL	0.010	mg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	0.0050	mg/kg wet							
1,2-Dibromoethane	BRL	0.0050	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.010	mg/kg wet							
1,2-Dichloroethane	BRL	0.0050	mg/kg wet							
1,2-Dichloropropane	BRL	0.0050	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.010	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.010	mg/kg wet							
1,4-Dioxane	BRL	0.10	mg/kg wet							
Acetone	BRL	0.020	mg/kg wet							
Benzene	BRL	0.0030	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 disulfide	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	0.010	mg/kg wet							
cis-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
cis-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Cyclohexane	BRL	0.0050	mg/kg wet							
Dibromochloromethane	BRL	0.0050	mg/kg wet							
Dichlorodifluoromethane	BRL	0.010	mg/kg wet							
Ethylbenzene	BRL	0.0050	mg/kg wet							
Isopropylbenzene (Cumene)	BRL	0.010	mg/kg wet							
m,p-Xylenes	BRL	0.010	mg/kg wet							
Methyl Acetate	BRL	0.0050	mg/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	0.050	mg/kg wet							
Methylcyclohexane	BRL	0.0050	mg/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	0.020	mg/kg wet							
Methyl Isobutyl Ketone	BRL	0.010	mg/kg wet							
Methylene Chloride	BRL	0.010	mg/kg wet							
Methyl-tert-Butyl Ether	BRL	0.0050	mg/kg wet							
o-Xylene	BRL	0.0050	mg/kg wet							
Styrene	BRL	0.0050	mg/kg wet							
Tetrachloroethylene	BRL	0.010	mg/kg wet							

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0359 - 5035										
Blank (P6B0359-BLK1)				Prepared & Analyzed: 02/18/16						
Tetrahydrofuran	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 chloride	BRL	0.010	mg/kg wet							
Xylenes, total	BRL	0.015	mg/kg wet							
Tentatively Identified Compounds	Not Detected		mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*49.2*		*ug/L*	*50.00*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*49.8*		*ug/L*	*50.00*		*100*	*84-123*			
Surrogate: Toluene-d8	*45.9*		*ug/L*	*50.00*		*92*	*76-129*			
LCS (P6B0359-BS1)				Prepared & Analyzed: 02/18/16						
1,1,1-Trichloroethane	0.0551	0.0050	mg/kg wet	0.05000		110	67-131			
1,1,2,2-Tetrachloroethane	0.0448	0.0050	mg/kg wet	0.05000		90	56-126			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0556	0.010	mg/kg wet	0.05000		111	70-130			
1,1,2-Trichloroethane	0.0463	0.0050	mg/kg wet	0.05000		93	70-133			
1,1-Dichloroethane	0.0489	0.0050	mg/kg wet	0.05000		98	74-127			
1,1-Dichloroethylene	0.0516	0.0050	mg/kg wet	0.05000		103	67-149			
1,2,3-Trichlorobenzene	0.0498	0.010	mg/kg wet	0.05000		100	68-130			
1,2,4-Trichlorobenzene	0.0474	0.010	mg/kg wet	0.05000		95	66-125			
1,2-Dibromo-3-chloropropane	0.0460	0.0050	mg/kg wet	0.05000		92	55-157			
1,2-Dibromoethane	0.0487	0.0050	mg/kg wet	0.05000		97	70-132			
1,2-Dichlorobenzene	0.0458	0.010	mg/kg wet	0.05000		92	72-123			
1,2-Dichloroethane	0.0496	0.0050	mg/kg wet	0.05000		99	68-128			
1,2-Dichloropropane	0.0480	0.0050	mg/kg wet	0.05000		96	73-130			
1,3-Dichlorobenzene	0.0461	0.010	mg/kg wet	0.05000		92	71-120			
1,4-Dichlorobenzene	0.0452	0.010	mg/kg wet	0.05000		90	71-123			
1,4-Dioxane	0.509	0.10	mg/kg wet	0.5000		102	70-130			
Acetone	0.105	0.020	mg/kg wet	0.1000		105	29-198			
Benzene	0.0484	0.0030	mg/kg wet	0.05000		97	74-127			
Bromochloromethane	0.0512	0.0050	mg/kg wet	0.05000		102	72-134			
Bromodichloromethane	0.0481	0.0050	mg/kg wet	0.05000		96	75-122			
Bromoform	0.0461	0.0050	mg/kg wet	0.05000		92	66-135			
Bromomethane	0.0373	0.010	mg/kg wet	0.05000		75	20-180			
Carbon disulfide	0.0538	0.010	mg/kg wet	0.05000		108	61-129			
Carbon Tetrachloride	0.0479	0.0050	mg/kg wet	0.05000		96	64-143			
Chlorobenzene	0.0448	0.0050	mg/kg wet	0.05000		90	74-118			
Chloroethane	0.0586	0.010	mg/kg wet	0.05000		117	33-149			
Chloroform	0.0530	0.0050	mg/kg wet	0.05000		106	73-127			
Chloromethane	0.0334	0.010	mg/kg wet	0.05000		67	45-143			
cis-1,2-Dichloroethylene	0.0486	0.0050	mg/kg wet	0.05000		97	76-134			
cis-1,3-Dichloropropylene	0.0492	0.0050	mg/kg wet	0.05000		98	71-125			
Cyclohexane	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Dibromochloromethane	0.0484	0.0050	mg/kg wet	0.05000		97	73-122			
Dichlorodifluoromethane	0.0446	0.010	mg/kg wet	0.05000		89	26-146			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0359 - 5035										
LCS (P6B0359-BS1)				Prepared & Analyzed: 02/18/16						
Ethylbenzene	0.0447	0.0050	mg/kg wet	0.05000		89	74-128			
Isopropylbenzene (Cumene)	0.0444	0.010	mg/kg wet	0.05000		89	68-126			
m,p-Xylenes	0.0917	0.010	mg/kg wet	0.1000		92	75-124			
Methyl Acetate	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
Methyl Butyl Ketone (2-Hexanone)	0.0461	0.050	mg/kg wet	0.05000		92	61-157			J
Methylcyclohexane	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Methyl Ethyl Ketone (2-Butanone)	0.0483	0.020	mg/kg wet	0.05000		97	63-149			
Methyl Isobutyl Ketone	0.0474	0.010	mg/kg wet	0.05000		95	57-162			
Methylene Chloride	0.0523	0.010	mg/kg wet	0.05000		105	74-129			
Methyl-tert-Butyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
o-Xylene	0.0467	0.0050	mg/kg wet	0.05000		93	74-126			
Styrene	0.0472	0.0050	mg/kg wet	0.05000		94	77-121			
Tetrachloroethylene	0.0578	0.010	mg/kg wet	0.05000		116	68-130			
Tetrahydrofuran	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Toluene	0.0479	0.0050	mg/kg wet	0.05000		96	71-129			
trans-1,2-Dichloroethylene	0.0488	0.0050	mg/kg wet	0.05000		98	73-132			
trans-1,3-Dichloropropylene	0.0493	0.0050	mg/kg wet	0.05000		99	68-123			
Trichloroethylene	0.0498	0.0050	mg/kg wet	0.05000		100	75-133			
Trichlorofluoromethane	0.0600	0.0050	mg/kg wet	0.05000		120	44-146			
Vinyl chloride	0.0460	0.010	mg/kg wet	0.05000		92	48-147			
Xylenes, total	0.138	0.015	mg/kg wet	0.1500		92	74-126			
Surrogate: 4-Bromofluorobenzene	*50.1*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.00*		*100*	*84-123*			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.00*		*94*	*76-129*			
LCS Dup (P6B0359-BSD1)				Prepared & Analyzed: 02/18/16						
1,1,1-Trichloroethane	0.0519	0.0050	mg/kg wet	0.05000		104	67-131	6	20	
1,1,2,2-Tetrachloroethane	0.0442	0.0050	mg/kg wet	0.05000		88	56-126	1	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0517	0.010	mg/kg wet	0.05000		103	70-130	7	20	
1,1,2-Trichloroethane	0.0452	0.0050	mg/kg wet	0.05000		90	70-133	2	20	
1,1-Dichloroethane	0.0462	0.0050	mg/kg wet	0.05000		92	74-127	6	20	
1,1-Dichloroethylene	0.0486	0.0050	mg/kg wet	0.05000		97	67-149	6	20	
1,2,3-Trichlorobenzene	0.0497	0.010	mg/kg wet	0.05000		99	68-130	0.2	20	
1,2,4-Trichlorobenzene	0.0463	0.010	mg/kg wet	0.05000		93	66-125	2	20	
1,2-Dibromo-3-chloropropane	0.0478	0.0050	mg/kg wet	0.05000		96	55-157	4	20	
1,2-Dibromoethane	0.0484	0.0050	mg/kg wet	0.05000		97	70-132	0.6	20	
1,2-Dichlorobenzene	0.0438	0.010	mg/kg wet	0.05000		88	72-123	5	20	
1,2-Dichloroethane	0.0490	0.0050	mg/kg wet	0.05000		98	68-128	1	20	
1,2-Dichloropropane	0.0453	0.0050	mg/kg wet	0.05000		91	73-130	6	20	
1,3-Dichlorobenzene	0.0434	0.010	mg/kg wet	0.05000		87	71-120	6	20	
1,4-Dichlorobenzene	0.0432	0.010	mg/kg wet	0.05000		86	71-123	4	20	
1,4-Dioxane	0.545	0.10	mg/kg wet	0.5000		109	70-130	7	20	
Acetone	0.114	0.020	mg/kg wet	0.1000		114	29-198	8	20	
Benzene	0.0458	0.0030	mg/kg wet	0.05000		92	74-127	5	20	
Bromochloromethane	0.0502	0.0050	mg/kg wet	0.05000		100	72-134	2	20	
Bromodichloromethane	0.0472	0.0050	mg/kg wet	0.05000		94	75-122	2	20	
Bromoform	0.0465	0.0050	mg/kg wet	0.05000		93	66-135	0.9	20	

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0359 - 5035										
LCS Dup (P6B0359-BSD1)				Prepared & Analyzed: 02/18/16						
Bromomethane	0.0396	0.010	mg/kg wet	0.05000		79	20-180	6	20	
Carbon disulfide	0.0496	0.010	mg/kg wet	0.05000		99	61-129	8	20	
Carbon Tetrachloride	0.0452	0.0050	mg/kg wet	0.05000		90	64-143	6	20	
Chlorobenzene	0.0424	0.0050	mg/kg wet	0.05000		85	74-118	6	20	
Chloroethane	0.0539	0.010	mg/kg wet	0.05000		108	33-149	8	20	
Chloroform	0.0507	0.0050	mg/kg wet	0.05000		101	73-127	4	20	
Chloromethane	0.0422	0.010	mg/kg wet	0.05000		84	45-143	23	20	D
cis-1,2-Dichloroethylene	0.0468	0.0050	mg/kg wet	0.05000		94	76-134	4	20	
cis-1,3-Dichloropropylene	0.0477	0.0050	mg/kg wet	0.05000		95	71-125	3	20	
Cyclohexane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	7	20	
Dibromochloromethane	0.0463	0.0050	mg/kg wet	0.05000		93	73-122	4	20	
Dichlorodifluoromethane	0.0410	0.010	mg/kg wet	0.05000		82	26-146	8	20	
Ethylbenzene	0.0415	0.0050	mg/kg wet	0.05000		83	74-128	7	20	
Isopropylbenzene (Cumene)	0.0406	0.010	mg/kg wet	0.05000		81	68-126	9	20	
m,p-Xylenes	0.0853	0.010	mg/kg wet	0.1000		85	75-124	7	20	
Methyl Acetate	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	1	20	
Methyl Butyl Ketone (2-Hexanone)	0.0477	0.050	mg/kg wet	0.05000		95	61-157	3	20	J
Methylcyclohexane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	7	20	
Methyl Ethyl Ketone (2-Butanone)	0.0512	0.020	mg/kg wet	0.05000		102	63-149	6	20	
Methyl Isobutyl Ketone	0.0497	0.010	mg/kg wet	0.05000		99	57-162	5	20	
Methylene Chloride	0.0510	0.010	mg/kg wet	0.05000		102	74-129	3	20	
Methyl-tert-Butyl Ether	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	0.02	20	
o-Xylene	0.0436	0.0050	mg/kg wet	0.05000		87	74-126	7	20	
Styrene	0.0444	0.0050	mg/kg wet	0.05000		89	77-121	6	20	
Tetrachloroethylene	0.0538	0.010	mg/kg wet	0.05000		108	68-130	7	20	
Tetrahydrofuran	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	8	20	
Toluene	0.0454	0.0050	mg/kg wet	0.05000		91	71-129	5	20	
trans-1,2-Dichloroethylene	0.0455	0.0050	mg/kg wet	0.05000		91	73-132	7	20	
trans-1,3-Dichloropropylene	0.0492	0.0050	mg/kg wet	0.05000		98	68-123	0.2	20	
Trichloroethylene	0.0473	0.0050	mg/kg wet	0.05000		95	75-133	5	20	
Trichlorofluoromethane	0.0556	0.0050	mg/kg wet	0.05000		111	44-146	8	20	
Vinyl chloride	0.0434	0.010	mg/kg wet	0.05000		87	48-147	6	20	
Xylenes, total	0.129	0.015	mg/kg wet	0.1500		86	74-126	7	20	
Surrogate: 4-Bromofluorobenzene	*49.9*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*50.4*		*ug/L*	*50.00*		*101*	*84-123*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.00*		*94*	*76-129*			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0359 - 5035										
Matrix Spike (P6B0359-MS1)		**Source: 6020323-01**		Prepared & Analyzed: 02/18/16						
1,1,1-Trichloroethane	0.0604	0.0057	mg/kg dry	0.05707	BRL	106	52-139			
1,1,2,2-Tetrachloroethane	0.0439	0.0057	mg/kg dry	0.05707	BRL	77	39-135			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0619	0.011	mg/kg dry	0.05707	BRL	109	70-130			
1,1,2-Trichloroethane	0.0474	0.0057	mg/kg dry	0.05707	BRL	83	44-140			
1,1-Dichloroethane	0.0518	0.0057	mg/kg dry	0.05707	BRL	91	59-137			
1,1-Dichloroethylene	0.0567	0.0057	mg/kg dry	0.05707	BRL	99	54-162			
1,2,3-Trichlorobenzene	0.0472	0.011	mg/kg dry	0.05707	BRL	83	34-120			
1,2,4-Trichlorobenzene	0.0459	0.011	mg/kg dry	0.05707	BRL	80	35-116			
1,2-Dibromo-3-chloropropane	0.0435	0.0057	mg/kg dry	0.05707	BRL	76	27-132			
1,2-Dibromoethane	0.0482	0.0057	mg/kg dry	0.05707	BRL	85	49-132			
1,2-Dichlorobenzene	0.0457	0.011	mg/kg dry	0.05707	BRL	80	42-130			
1,2-Dichloroethane	0.0513	0.0057	mg/kg dry	0.05707	BRL	90	51-131			
1,2-Dichloropropane	0.0505	0.0057	mg/kg dry	0.05707	BRL	88	55-138			
1,3-Dichlorobenzene	0.0465	0.011	mg/kg dry	0.05707	BRL	82	41-129			
1,4-Dichlorobenzene	0.0462	0.011	mg/kg dry	0.05707	BRL	81	44-134			
1,4-Dioxane	0.507	0.11	mg/kg dry	0.5707	BRL	89	70-130			
Acetone	0.0947	0.023	mg/kg dry	0.1141	0.0168	68	34-143			
Benzene	0.0513	0.0034	mg/kg dry	0.05707	BRL	90	60-135			
Bromochloromethane	0.0538	0.0057	mg/kg dry	0.05707	BRL	94	55-136			
Bromodichloromethane	0.0506	0.0057	mg/kg dry	0.05707	BRL	89	55-127			
Bromoform	0.0451	0.0057	mg/kg dry	0.05707	BRL	79	40-136			
Bromomethane	0.0456	0.011	mg/kg dry	0.05707	BRL	80	30-137			
Carbon disulfide	0.0572	0.011	mg/kg dry	0.05707	BRL	100	49-139			
Carbon Tetrachloride	0.0531	0.0057	mg/kg dry	0.05707	BRL	93	48-153			
Chlorobenzene	0.0469	0.0057	mg/kg dry	0.05707	BRL	82	57-125			
Chloroethane	0.0664	0.011	mg/kg dry	0.05707	BRL	116	16-177			
Chloroform	0.0559	0.0057	mg/kg dry	0.05707	BRL	98	56-137			
Chloromethane	0.0487	0.011	mg/kg dry	0.05707	BRL	85	40-145			
cis-1,2-Dichloroethylene	0.0511	0.0057	mg/kg dry	0.05707	BRL	90	58-140			
cis-1,3-Dichloropropylene	0.0493	0.0057	mg/kg dry	0.05707	BRL	86	42-135			
Cyclohexane	0.0557	0.0057	mg/kg dry	0.05707	BRL	98	70-130			
Dibromochloromethane	0.0487	0.0057	mg/kg dry	0.05707	BRL	85	49-127			
Dichlorodifluoromethane	0.0474	0.011	mg/kg dry	0.05707	BRL	83	25-151			
Ethylbenzene	0.0476	0.0057	mg/kg dry	0.05707	BRL	83	44-144			
Isopropylbenzene (Cumene)	0.0465	0.011	mg/kg dry	0.05707	BRL	82	41-140			
m,p-Xylenes	0.0969	0.011	mg/kg dry	0.1141	BRL	85	36-148			
Methyl Acetate	0.0583	0.0057	mg/kg dry	0.05707	BRL	102	70-130			
Methyl Butyl Ketone (2-Hexanone)	0.0389	0.057	mg/kg dry	0.05707	BRL	68	30-147			J
Methylcyclohexane	0.0563	0.0057	mg/kg dry	0.05707	BRL	99	70-130			
Methyl Ethyl Ketone (2-Butanone)	0.0411	0.023	mg/kg dry	0.05707	BRL	72	24-160			
Methyl Isobutyl Ketone	0.0436	0.011	mg/kg dry	0.05707	BRL	76	25-163			
Methylene Chloride	0.0548	0.011	mg/kg dry	0.05707	BRL	96	53-144			
Methyl-tert-Butyl Ether	0.0530	0.0057	mg/kg dry	0.05707	BRL	93	49-135			
o-Xylene	0.0488	0.0057	mg/kg dry	0.05707	BRL	86	43-143			
Styrene	0.0476	0.0057	mg/kg dry	0.05707	BRL	83	42-132			
Tetrachloroethylene	0.0628	0.011	mg/kg dry	0.05707	BRL	110	47-142			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0359 - 5035										
Matrix Spike (P6B0359-MS1)		**Source: 6020323-01**		Prepared & Analyzed: 02/18/16						
Tetrahydrofuran	0.0421	0.0057	mg/kg dry	0.05707	BRL	74	70-130			
Toluene	0.0507	0.0057	mg/kg dry	0.05707	BRL	89	57-135			
trans-1,2-Dichloroethylene	0.0527	0.0057	mg/kg dry	0.05707	BRL	92	58-141			
trans-1,3-Dichloropropylene	0.0497	0.0057	mg/kg dry	0.05707	BRL	87	41-124			
Trichloroethylene	0.0521	0.0057	mg/kg dry	0.05707	BRL	91	38-164			
Trichlorofluoromethane	0.0693	0.0057	mg/kg dry	0.05707	BRL	121	30-157			
Vinyl chloride	0.0523	0.011	mg/kg dry	0.05707	BRL	92	40-156			
Xylenes, total	0.146	0.017	mg/kg dry	0.1712	BRL	85	36-148			
Surrogate: 4-Bromofluorobenzene	*50.2*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/L*	*50.00*		*100*	*84-123*			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.00*		*94*	*76-129*			
Matrix Spike Dup (P6B0359-MSD1)		**Source: 6020323-01**		Prepared & Analyzed: 02/18/16						
1,1,1-Trichloroethane	0.0619	0.0057	mg/kg dry	0.05686	BRL	109	52-139	2	21	
1,1,2,2-Tetrachloroethane	0.0453	0.0057	mg/kg dry	0.05686	BRL	80	39-135	3	22	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0627	0.011	mg/kg dry	0.05686	BRL	110	70-130	1	20	
1,1,2-Trichloroethane	0.0487	0.0057	mg/kg dry	0.05686	BRL	86	44-140	3	21	
1,1-Dichloroethane	0.0535	0.0057	mg/kg dry	0.05686	BRL	94	59-137	3	21	
1,1-Dichloroethylene	0.0583	0.0057	mg/kg dry	0.05686	BRL	103	54-162	3	22	
1,2,3-Trichlorobenzene	0.0505	0.011	mg/kg dry	0.05686	BRL	89	34-120	7	41	
1,2,4-Trichlorobenzene	0.0492	0.011	mg/kg dry	0.05686	BRL	86	35-116	7	62	
1,2-Dibromo-3-chloropropane	0.0439	0.0057	mg/kg dry	0.05686	BRL	77	27-132	0.9	25	
1,2-Dibromoethane	0.0509	0.0057	mg/kg dry	0.05686	BRL	89	49-132	5	15	
1,2-Dichlorobenzene	0.0477	0.011	mg/kg dry	0.05686	BRL	84	42-130	4	21	
1,2-Dichloroethane	0.0533	0.0057	mg/kg dry	0.05686	BRL	94	51-131	4	13	
1,2-Dichloropropane	0.0524	0.0057	mg/kg dry	0.05686	BRL	92	55-138	4	16	
1,3-Dichlorobenzene	0.0484	0.011	mg/kg dry	0.05686	BRL	85	41-129	4	24	
1,4-Dichlorobenzene	0.0475	0.011	mg/kg dry	0.05686	BRL	84	44-134	3	21	
1,4-Dioxane	0.521	0.11	mg/kg dry	0.5686	BRL	92	70-130	3	20	
Acetone	0.0974	0.023	mg/kg dry	0.1137	0.0168	71	34-143	3	49	
Benzene	0.0528	0.0034	mg/kg dry	0.05686	BRL	93	60-135	3	20	
Bromochloromethane	0.0560	0.0057	mg/kg dry	0.05686	BRL	99	55-136	4	18	
Bromodichloromethane	0.0523	0.0057	mg/kg dry	0.05686	BRL	92	55-127	3	17	
Bromoform	0.0467	0.0057	mg/kg dry	0.05686	BRL	82	40-136	4	35	
Bromomethane	0.0492	0.011	mg/kg dry	0.05686	BRL	87	30-137	8	30	
Carbon disulfide	0.0586	0.011	mg/kg dry	0.05686	BRL	103	49-139	2	26	
Carbon Tetrachloride	0.0549	0.0057	mg/kg dry	0.05686	BRL	97	48-153	3	23	
Chlorobenzene	0.0485	0.0057	mg/kg dry	0.05686	BRL	85	57-125	3	14	
Chloroethane	0.0664	0.011	mg/kg dry	0.05686	BRL	117	16-177	0.1	47	
Chloroform	0.0583	0.0057	mg/kg dry	0.05686	BRL	103	56-137	4	18	
Chloromethane	0.0496	0.011	mg/kg dry	0.05686	BRL	87	40-145	2	26	
cis-1,2-Dichloroethylene	0.0528	0.0057	mg/kg dry	0.05686	BRL	93	58-140	3	28	
cis-1,3-Dichloropropylene	0.0505	0.0057	mg/kg dry	0.05686	BRL	89	42-135	2	32	
Cyclohexane	0.0580	0.0057	mg/kg dry	0.05686	BRL	102	70-130	4	20	
Dibromochloromethane	0.0504	0.0057	mg/kg dry	0.05686	BRL	89	49-127	3	24	
Dichlorodifluoromethane	0.0496	0.011	mg/kg dry	0.05686	BRL	87	25-151	4	37	
Ethylbenzene	0.0492	0.0057	mg/kg dry	0.05686	BRL	87	44-144	3	19	

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0359 - 5035										
Matrix Spike Dup (P6B0359-MSD1)		**Source: 6020323-01**		Prepared & Analyzed: 02/18/16						
Isopropylbenzene (Cumene)	0.0479	0.011	mg/kg dry	0.05686	BRL	84	41-140	3	27	
m,p-Xylenes	0.0991	0.011	mg/kg dry	0.1137	BRL	87	36-148	2	20	
Methyl Acetate	0.0620	0.0057	mg/kg dry	0.05686	BRL	109	70-130	6	20	
Methyl Butyl Ketone (2-Hexanone)	0.0396	0.057	mg/kg dry	0.05686	BRL	70	30-147	2	42	J
Methylcyclohexane	0.0588	0.0057	mg/kg dry	0.05686	BRL	104	70-130	4	20	
Methyl Ethyl Ketone (2-Butanone)	0.0421	0.023	mg/kg dry	0.05686	BRL	74	24-160	2	42	
Methyl Isobutyl Ketone	0.0446	0.011	mg/kg dry	0.05686	BRL	78	25-163	2	44	
Methylene Chloride	0.0572	0.011	mg/kg dry	0.05686	BRL	101	53-144	4	14	
Methyl-tert-Butyl Ether	0.0549	0.0057	mg/kg dry	0.05686	BRL	97	49-135	4	22	
o-Xylene	0.0501	0.0057	mg/kg dry	0.05686	BRL	88	43-143	3	17	
Styrene	0.0491	0.0057	mg/kg dry	0.05686	BRL	86	42-132	3	28	
Tetrachloroethylene	0.0646	0.011	mg/kg dry	0.05686	BRL	114	47-142	3	26	
Tetrahydrofuran	0.0440	0.0057	mg/kg dry	0.05686	BRL	77	70-130	5	20	
Toluene	0.0526	0.0057	mg/kg dry	0.05686	BRL	92	57-135	4	22	
trans-1,2-Dichloroethylene	0.0546	0.0057	mg/kg dry	0.05686	BRL	96	58-141	3	18	
trans-1,3-Dichloropropylene	0.0511	0.0057	mg/kg dry	0.05686	BRL	90	41-124	3	20	
Trichloroethylene	0.0540	0.0057	mg/kg dry	0.05686	BRL	95	38-164	4	18	
Trichlorofluoromethane	0.0697	0.0057	mg/kg dry	0.05686	BRL	123	30-157	0.6	27	
Vinyl chloride	0.0531	0.011	mg/kg dry	0.05686	BRL	93	40-156	1	35	
Xylenes, total	0.149	0.017	mg/kg dry	0.1706	BRL	87	36-148	2	20	
Surrogate: 4-Bromofluorobenzene	*49.9*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50.00*		*100*	*84-123*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50.00*		*94*	*76-129*			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

Volatile Organic Compounds by GC/MS SIM - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6C0016 - 5030B										
Blank (P6C0016-BLK1)				Prepared & Analyzed: 03/01/16						
1,4-Dioxane	BRL	0.0050	mg/kg wet							
LCS (P6C0016-BS1)				Prepared & Analyzed: 03/01/16						
1,4-Dioxane	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
LCS Dup (P6C0016-BSD1)				Prepared & Analyzed: 03/01/16						
1,4-Dioxane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	3	20	
Matrix Spike (P6C0016-MS1)		**Source: 6020323-01**		Prepared: 03/01/16 Analyzed: 03/02/16						
1,4-Dioxane	0.157	0.011	mg/kg dry	0.1133	BRL	138	70-130			M
Matrix Spike Dup (P6C0016-MSD1)		**Source: 6020323-01**		Prepared: 03/01/16 Analyzed: 03/02/16						
1,4-Dioxane	0.151	0.012	mg/kg dry	0.1196	BRL	126	70-130	4	20	

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0371 - 3546										
Blank (P6B0371-BLK1)				Prepared: 02/19/16 Analyzed: 02/22/16						
1,1'-Biphenyl	BRL	0.33	mg/kg wet							
2,3,4,6-Tetrachlorophenol	BRL	0.33	mg/kg wet							
2,4,5-Trichlorophenol	BRL	0.33	mg/kg wet							
2,4,6-Trichlorophenol	BRL	0.33	mg/kg wet							
2,4-Dichlorophenol	BRL	0.33	mg/kg wet							
2,4-Dimethylphenol	BRL	0.33	mg/kg wet							
2,4-Dinitrophenol	BRL	0.33	mg/kg wet							
2,4-Dinitrotoluene	BRL	0.33	mg/kg wet							
2,6-Dinitrotoluene	BRL	0.33	mg/kg wet							
2-Chloronaphthalene	BRL	0.33	mg/kg wet							
2-Chlorophenol	BRL	0.33	mg/kg wet							
2-Methylnaphthalene	BRL	0.33	mg/kg wet							
2-Methylphenol	BRL	0.33	mg/kg wet							
2-Nitroaniline	BRL	0.33	mg/kg wet							
2-Nitrophenol	BRL	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	BRL	0.33	mg/kg wet							
3/4-Methylphenol	BRL	0.33	mg/kg wet							
3-Nitroaniline	BRL	0.33	mg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	0.33	mg/kg wet							
4-Bromophenyl phenyl ether	BRL	0.33	mg/kg wet							
4-Chloro-3-methylphenol	BRL	0.33	mg/kg wet							
4-Chloroaniline	BRL	0.33	mg/kg wet							
4-Chlorophenyl phenyl ether	BRL	0.33	mg/kg wet							
4-Nitroaniline	BRL	0.33	mg/kg wet							
4-Nitrophenol	BRL	0.33	mg/kg wet							
Acenaphthene	BRL	0.33	mg/kg wet							
Acenaphthylene	BRL	0.33	mg/kg wet							
Acetophenone	BRL	0.33	mg/kg wet							
Anthracene	BRL	0.33	mg/kg wet							
Atrazine	BRL	0.33	mg/kg wet							
Benzaldehyde	BRL	0.33	mg/kg wet							
Benzo(a)anthracene	BRL	0.33	mg/kg wet							
Benzo(a)pyrene	BRL	0.33	mg/kg wet							
Benzo(b)fluoranthene	BRL	0.33	mg/kg wet							
Benzo(g,h,i)perylene	BRL	0.33	mg/kg wet							
Benzo(k)fluoranthene	BRL	0.33	mg/kg wet							
bis(2-Chloroethoxy)methane	BRL	0.33	mg/kg wet							
Bis(2-Chloroethyl)ether	BRL	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	0.33	mg/kg wet							
Bis(2-Ethylhexyl)phthalate	BRL	0.33	mg/kg wet							
Butyl benzyl phthalate	BRL	0.33	mg/kg wet							
Caprolactam	BRL	0.33	mg/kg wet							
Carbazole	BRL	0.33	mg/kg wet							
Chrysene	BRL	0.33	mg/kg wet							
Dibenzo(a,h)anthracene	BRL	0.33	mg/kg wet							
Dibenzofuran	BRL	0.33	mg/kg wet							

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0371 - 3546										
Blank (P6B0371-BLK1)				Prepared: 02/19/16 Analyzed: 02/22/16						
Diethyl phthalate	BRL	0.33	mg/kg wet							
Dimethyl phthalate	BRL	0.33	mg/kg wet							
Di-n-butyl phthalate	BRL	0.33	mg/kg wet							
Di-n-octyl phthalate	BRL	0.33	mg/kg wet							
Fluoranthene	BRL	0.33	mg/kg wet							
Fluorene	BRL	0.33	mg/kg wet							
Hexachlorobenzene	BRL	0.33	mg/kg wet							
Hexachlorobutadiene	BRL	0.33	mg/kg wet							
Hexachlorocyclopentadiene	BRL	0.33	mg/kg wet							
Hexachloroethane	BRL	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	BRL	0.33	mg/kg wet							
Isophorone	BRL	0.33	mg/kg wet							
Naphthalene	BRL	0.33	mg/kg wet							
Nitrobenzene	BRL	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	BRL	0.33	mg/kg wet							
N-Nitrosodiphenylamine	BRL	0.33	mg/kg wet							
Pentachlorophenol	BRL	0.33	mg/kg wet							
Phenanthrene	BRL	0.33	mg/kg wet							
Phenol	BRL	0.33	mg/kg wet							
Pyrene	BRL	0.33	mg/kg wet							
Unknown blank 1	0.772		mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	*2.65*		*mg/kg wet*	*3.333*		*80*	*37-131*			
Surrogate: 2-Fluorobiphenyl	*1.22*		*mg/kg wet*	*1.667*		*73*	*47-130*			
Surrogate: 2-Fluorophenol	*2.40*		*mg/kg wet*	*3.333*		*72*	*44-117*			
Surrogate: Nitrobenzene-d5	*1.24*		*mg/kg wet*	*1.667*		*75*	*45-121*			
Surrogate: Phenol-d5	*2.47*		*mg/kg wet*	*3.333*		*74*	*37-127*			
Surrogate: Terphenyl-d14	*1.47*		*mg/kg wet*	*1.667*		*88*	*38-135*			

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Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0371 - 3546										
LCS (P6B0371-BS1)				Prepared: 02/19/16 Analyzed: 02/22/16						
2,4,5-Trichlorophenol	1.40	0.33	mg/kg wet	1.667		84	62-124			
2,4,6-Trichlorophenol	1.29	0.33	mg/kg wet	1.667		77	62-120			
2,4-Dichlorophenol	1.26	0.33	mg/kg wet	1.667		76	58-113			
2,4-Dimethylphenol	1.24	0.33	mg/kg wet	1.667		75	59-110			
2,4-Dinitrophenol	1.04	0.33	mg/kg wet	1.667		62	29-134			
2,4-Dinitrotoluene	1.41	0.33	mg/kg wet	1.667		84	63-137			
2,6-Dinitrotoluene	1.40	0.33	mg/kg wet	1.667		84	59-134			
2-Chloronaphthalene	1.71	0.33	mg/kg wet	1.667		103	41-147			
2-Chlorophenol	1.20	0.33	mg/kg wet	1.667		72	55-108			
2-Methylnaphthalene	1.24	0.33	mg/kg wet	1.667		74	57-116			
2-Methylphenol	1.27	0.33	mg/kg wet	1.667		76	56-111			
2-Nitroaniline	1.26	0.33	mg/kg wet	1.667		76	62-125			
2-Nitrophenol	1.20	0.33	mg/kg wet	1.667		72	58-112			
3,3'-Dichlorobenzidine	1.14	0.33	mg/kg wet	1.667		68	51-161			
3/4-Methylphenol	1.27	0.33	mg/kg wet	1.667		76	56-111			
3-Nitroaniline	1.18	0.33	mg/kg wet	1.667		71	65-136			
4,6-Dinitro-2-methylphenol	1.28	0.33	mg/kg wet	1.667		77	46-148			
4-Bromophenyl phenyl ether	1.37	0.33	mg/kg wet	1.667		82	58-137			
4-Chloro-3-methylphenol	1.35	0.33	mg/kg wet	1.667		81	60-118			
4-Chloroaniline	1.11	0.33	mg/kg wet	1.667		67	53-144			
4-Chlorophenyl phenyl ether	1.37	0.33	mg/kg wet	1.667		82	59-131			
4-Nitroaniline	1.28	0.33	mg/kg wet	1.667		77	62-143			
4-Nitrophenol	1.37	0.33	mg/kg wet	1.667		82	48-148			
Acenaphthene	1.32	0.33	mg/kg wet	1.667		79	62-118			
Acenaphthylene	1.33	0.33	mg/kg wet	1.667		80	64-116			
Acetophenone	1.21	0.33	mg/kg wet	1.667		72	56-106			
Anthracene	1.42	0.33	mg/kg wet	1.667		85	71-132			
Benzo(a)anthracene	1.41	0.33	mg/kg wet	1.667		85	71-129			
Benzo(a)pyrene	1.28	0.33	mg/kg wet	1.667		77	74-129			
Benzo(b)fluoranthene	1.22	0.33	mg/kg wet	1.667		73	63-138			
Benzo(g,h,i)perylene	1.23	0.33	mg/kg wet	1.667		74	41-154			
Benzo(k)fluoranthene	1.27	0.33	mg/kg wet	1.667		76	62-145			
bis(2-Chloroethoxy)methane	1.22	0.33	mg/kg wet	1.667		73	52-118			
Bis(2-Chloroethyl)ether	1.16	0.33	mg/kg wet	1.667		69	50-116			
Bis(2-chloroisopropyl)ether	1.17	0.33	mg/kg wet	1.667		70	48-119			
Bis(2-Ethylhexyl)phthalate	1.43	0.33	mg/kg wet	1.667		86	62-135			
Butyl benzyl phthalate	1.43	0.33	mg/kg wet	1.667		86	62-133			
Carbazole	1.40	0.33	mg/kg wet	1.667		84	71-135			
Chrysene	1.40	0.33	mg/kg wet	1.667		84	72-129			
Dibenzo(a,h)anthracene	1.24	0.33	mg/kg wet	1.667		75	41-158			
Dibenzofuran	1.37	0.33	mg/kg wet	1.667		82	64-115			
Diethyl phthalate	1.40	0.33	mg/kg wet	1.667		84	73-120			
Dimethyl phthalate	1.40	0.33	mg/kg wet	1.667		84	71-115			
Di-n-butyl phthalate	1.42	0.33	mg/kg wet	1.667		85	68-127			
Di-n-octyl phthalate	1.29	0.33	mg/kg wet	1.667		77	53-150			
Fluoranthene	1.41	0.33	mg/kg wet	1.667		85	64-136			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0371 - 3546										
LCS (P6B0371-BS1)				Prepared: 02/19/16 Analyzed: 02/22/16						
Fluorene	1.36	0.33	mg/kg wet	1.667		82	67-120			
Hexachlorobenzene	1.61	0.33	mg/kg wet	1.667		96	63-134			
Hexachlorobutadiene	1.34	0.33	mg/kg wet	1.667		81	55-112			
Hexachlorocyclopentadiene	1.44	0.33	mg/kg wet	1.667		87	43-135			
Hexachloroethane	1.25	0.33	mg/kg wet	1.667		75	49-113			
Indeno(1,2,3-cd)pyrene	1.23	0.33	mg/kg wet	1.667		74	40-160			
Isophorone	1.29	0.33	mg/kg wet	1.667		78	55-118			
Naphthalene	1.20	0.33	mg/kg wet	1.667		72	62-111			
Nitrobenzene	1.20	0.33	mg/kg wet	1.667		72	50-116			
N-Nitroso-di-n-propylamine	1.17	0.33	mg/kg wet	1.667		70	53-113			
N-Nitrosodiphenylamine	1.38	0.33	mg/kg wet	1.667		83	76-144			
Pentachlorophenol	1.30	0.33	mg/kg wet	1.667		78	36-145			
Phenanthrene	1.39	0.33	mg/kg wet	1.667		84	72-123			
Phenol	1.19	0.33	mg/kg wet	1.667		72	56-108			
Pyrene	1.43	0.33	mg/kg wet	1.667		86	51-141			
Surrogate: 2,4,6-Tribromophenol	*2.93*		*mg/kg wet*	*3.333*		*88*	*37-131*			
Surrogate: 2-Fluorobiphenyl	*1.33*		*mg/kg wet*	*1.667*		*80*	*47-130*			
Surrogate: 2-Fluorophenol	*2.67*		*mg/kg wet*	*3.333*		*80*	*44-117*			
Surrogate: Nitrobenzene-d5	*1.23*		*mg/kg wet*	*1.667*		*74*	*45-121*			
Surrogate: Phenol-d5	*2.69*		*mg/kg wet*	*3.333*		*81*	*37-127*			
Surrogate: Terphenyl-d14	*1.56*		*mg/kg wet*	*1.667*		*93*	*38-135*			
LCS (P6B0371-BS2)				Prepared: 02/19/16 Analyzed: 02/22/16						
1,1'-Biphenyl	1.57	0.33	mg/kg wet	1.667		94	35-115			
2,3,4,6-Tetrachlorophenol	1.62	0.33	mg/kg wet	1.667		97	45-135			
Atrazine	1.67	0.33	mg/kg wet	1.667		100	35-115			
Benzaldehyde	1.46	0.33	mg/kg wet	1.667		87	35-115			
Caprolactam	1.55	0.33	mg/kg wet	1.667		93	35-115			
N-Nitrosodiphenylamine	1.99	0.33	mg/kg wet				76-144			
Surrogate: 2,4,6-Tribromophenol	*3.63*		*mg/kg wet*	*3.333*		*109*	*37-131*			
Surrogate: 2-Fluorobiphenyl	*1.63*		*mg/kg wet*	*1.667*		*98*	*47-130*			
Surrogate: 2-Fluorophenol	*3.24*		*mg/kg wet*	*3.333*		*97*	*44-117*			
Surrogate: Nitrobenzene-d5	*1.63*		*mg/kg wet*	*1.667*		*98*	*45-121*			
Surrogate: Phenol-d5	*3.25*		*mg/kg wet*	*3.333*		*98*	*37-127*			
Surrogate: Terphenyl-d14	*1.96*		*mg/kg wet*	*1.667*		*118*	*38-135*			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0371 - 3546										
LCS Dup (P6B0371-BSD1)				Prepared: 02/19/16 Analyzed: 02/22/16						
2,4,5-Trichlorophenol	1.47	0.33	mg/kg wet	1.667		88	62-124	5	20	
2,4,6-Trichlorophenol	1.31	0.33	mg/kg wet	1.667		79	62-120	2	20	
2,4-Dichlorophenol	1.34	0.33	mg/kg wet	1.667		81	58-113	6	20	
2,4-Dimethylphenol	1.31	0.33	mg/kg wet	1.667		78	59-110	5	20	
2,4-Dinitrophenol	1.04	0.33	mg/kg wet	1.667		62	29-134	0.3	20	
2,4-Dinitrotoluene	1.42	0.33	mg/kg wet	1.667		85	63-137	0.6	20	
2,6-Dinitrotoluene	1.41	0.33	mg/kg wet	1.667		85	59-134	1	20	
2-Chloronaphthalene	1.77	0.33	mg/kg wet	1.667		106	41-147	3	20	
2-Chlorophenol	1.28	0.33	mg/kg wet	1.667		77	55-108	6	20	
2-Methylnaphthalene	1.29	0.33	mg/kg wet	1.667		78	57-116	4	20	
2-Methylphenol	1.33	0.33	mg/kg wet	1.667		80	56-111	5	20	
2-Nitroaniline	1.26	0.33	mg/kg wet	1.667		76	62-125	0.2	20	
2-Nitrophenol	1.29	0.33	mg/kg wet	1.667		78	58-112	8	20	
3,3'-Dichlorobenzidine	1.15	0.33	mg/kg wet	1.667		69	51-161	0.9	20	
3/4-Methylphenol	1.34	0.33	mg/kg wet	1.667		80	56-111	5	20	
3-Nitroaniline	1.23	0.33	mg/kg wet	1.667		74	65-136	4	20	
4,6-Dinitro-2-methylphenol	1.32	0.33	mg/kg wet	1.667		79	46-148	3	20	
4-Bromophenyl phenyl ether	1.42	0.33	mg/kg wet	1.667		85	58-137	4	20	
4-Chloro-3-methylphenol	1.37	0.33	mg/kg wet	1.667		82	60-118	1	20	
4-Chloroaniline	1.13	0.33	mg/kg wet	1.667		68	53-144	1	20	
4-Chlorophenyl phenyl ether	1.40	0.33	mg/kg wet	1.667		84	59-131	2	20	
4-Nitroaniline	1.28	0.33	mg/kg wet	1.667		77	62-143	0.1	20	
4-Nitrophenol	1.39	0.33	mg/kg wet	1.667		83	48-148	1	20	
Acenaphthene	1.36	0.33	mg/kg wet	1.667		81	62-118	3	20	
Acenaphthylene	1.39	0.33	mg/kg wet	1.667		83	64-116	5	20	
Acetophenone	1.23	0.33	mg/kg wet	1.667		74	56-106	2	20	
Anthracene	1.47	0.33	mg/kg wet	1.667		88	71-132	3	20	
Benzo(a)anthracene	1.44	0.33	mg/kg wet	1.667		86	71-129	2	20	
Benzo(a)pyrene	1.34	0.33	mg/kg wet	1.667		80	74-129	5	20	
Benzo(b)fluoranthene	1.29	0.33	mg/kg wet	1.667		77	63-138	5	20	
Benzo(g,h,i)perylene	1.29	0.33	mg/kg wet	1.667		77	41-154	4	20	
Benzo(k)fluoranthene	1.31	0.33	mg/kg wet	1.667		78	62-145	3	20	
bis(2-Chloroethoxy)methane	1.28	0.33	mg/kg wet	1.667		77	52-118	4	20	
Bis(2-Chloroethyl)ether	1.16	0.33	mg/kg wet	1.667		70	50-116	0.3	20	
Bis(2-chloroisopropyl)ether	1.22	0.33	mg/kg wet	1.667		73	48-119	4	20	
Bis(2-Ethylhexyl)phthalate	1.45	0.33	mg/kg wet	1.667		87	62-135	2	20	
Butyl benzyl phthalate	1.44	0.33	mg/kg wet	1.667		86	62-133	0.8	20	
Carbazole	1.46	0.33	mg/kg wet	1.667		87	71-135	4	20	
Chrysene	1.43	0.33	mg/kg wet	1.667		86	72-129	3	20	
Dibenzo(a,h)anthracene	1.26	0.33	mg/kg wet	1.667		76	41-158	1	20	
Dibenzofuran	1.42	0.33	mg/kg wet	1.667		85	64-115	3	20	
Diethyl phthalate	1.42	0.33	mg/kg wet	1.667		85	73-120	2	20	
Dimethyl phthalate	1.40	0.33	mg/kg wet	1.667		84	71-115	0.2	20	
Di-n-butyl phthalate	1.49	0.33	mg/kg wet	1.667		89	68-127	4	20	
Di-n-octyl phthalate	1.32	0.33	mg/kg wet	1.667		79	53-150	3	20	
Fluoranthene	1.45	0.33	mg/kg wet	1.667		87	64-136	3	20	

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0371 - 3546										
LCS Dup (P6B0371-BSD1)				Prepared: 02/19/16 Analyzed: 02/22/16						
Fluorene	1.38	0.33	mg/kg wet	1.667		83	67-120	2	20	
Hexachlorobenzene	1.67	0.33	mg/kg wet	1.667		100	63-134	4	20	
Hexachlorobutadiene	1.40	0.33	mg/kg wet	1.667		84	55-112	4	20	
Hexachlorocyclopentadiene	1.54	0.33	mg/kg wet	1.667		93	43-135	7	20	
Hexachloroethane	1.29	0.33	mg/kg wet	1.667		78	49-113	4	20	
Indeno(1,2,3-cd)pyrene	1.27	0.33	mg/kg wet	1.667		76	40-160	3	20	
Isophorone	1.36	0.33	mg/kg wet	1.667		82	55-118	5	20	
Naphthalene	1.27	0.33	mg/kg wet	1.667		76	62-111	6	20	
Nitrobenzene	1.25	0.33	mg/kg wet	1.667		75	50-116	4	20	
N-Nitroso-di-n-propylamine	1.22	0.33	mg/kg wet	1.667		73	53-113	5	20	
N-Nitrosodiphenylamine	1.41	0.33	mg/kg wet	1.667		85	76-144	2	20	
Pentachlorophenol	1.32	0.33	mg/kg wet	1.667		79	36-145	1	20	
Phenanthrene	1.42	0.33	mg/kg wet	1.667		85	72-123	2	20	
Phenol	1.24	0.33	mg/kg wet	1.667		74	56-108	3	20	
Pyrene	1.45	0.33	mg/kg wet	1.667		87	51-141	2	20	
Surrogate: 2,4,6-Tribromophenol	*2.90*		*mg/kg wet*	*3.333*		*87*	*37-131*			
Surrogate: 2-Fluorobiphenyl	*1.33*		*mg/kg wet*	*1.667*		*80*	*47-130*			
Surrogate: 2-Fluorophenol	*2.71*		*mg/kg wet*	*3.333*		*81*	*44-117*			
Surrogate: Nitrobenzene-d5	*1.25*		*mg/kg wet*	*1.667*		*75*	*45-121*			
Surrogate: Phenol-d5	*2.75*		*mg/kg wet*	*3.333*		*82*	*37-127*			
Surrogate: Terphenyl-d14	*1.53*		*mg/kg wet*	*1.667*		*92*	*38-135*			
LCS Dup (P6B0371-BSD2)				Prepared: 02/19/16 Analyzed: 02/22/16						
1,1'-Biphenyl	1.44	0.33	mg/kg wet	1.667		87	35-115	8	20	
2,3,4,6-Tetrachlorophenol	1.52	0.33	mg/kg wet	1.667		91	45-135	7	20	
Atrazine	1.60	0.33	mg/kg wet	1.667		96	35-115	5	20	
Benzaldehyde	1.37	0.33	mg/kg wet	1.667		82	35-115	6	20	
Caprolactam	1.51	0.33	mg/kg wet	1.667		91	35-115	2	20	
Surrogate: 2,4,6-Tribromophenol	*3.38*		*mg/kg wet*	*3.333*		*101*	*37-131*			
Surrogate: 2-Fluorobiphenyl	*1.49*		*mg/kg wet*	*1.667*		*90*	*47-130*			
Surrogate: 2-Fluorophenol	*3.02*		*mg/kg wet*	*3.333*		*91*	*44-117*			
Surrogate: Nitrobenzene-d5	*1.50*		*mg/kg wet*	*1.667*		*90*	*45-121*			
Surrogate: Phenol-d5	*3.07*		*mg/kg wet*	*3.333*		*92*	*37-127*			
Surrogate: Terphenyl-d14	*1.80*		*mg/kg wet*	*1.667*		*108*	*38-135*			

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Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0382 - 7471B										
Blank (P6B0382-BLK1)				Prepared & Analyzed: 02/22/16						
Mercury	BRL	0.020	mg/kg wet							
LCS (P6B0382-BS1)				Prepared & Analyzed: 02/22/16						
Mercury	0.456	0.020	mg/kg wet	0.4167		109	80-120			
Matrix Spike (P6B0382-MS1)		**Source: 6020323-01**		Prepared & Analyzed: 02/22/16						
Mercury	0.488	0.024	mg/kg dry	0.5098	BRL	96	80-120			
Matrix Spike Dup (P6B0382-MSD1)		**Source: 6020323-01**		Prepared & Analyzed: 02/22/16						
Mercury	0.480	0.024	mg/kg dry	0.4931	BRL	97	80-120	2	20	
Batch P6B0438 - 3050B										
Blank (P6B0438-BLK1)				Prepared: 02/24/16 Analyzed: 03/02/16						
Antimony	BRL	0.25	mg/kg wet							
Arsenic	BRL	1.5	mg/kg wet							
Beryllium	BRL	0.25	mg/kg wet							
Cadmium	BRL	0.25	mg/kg wet							
Chromium	0.301	0.50	mg/kg wet							BH, J
Copper	BRL	0.50	mg/kg wet							
Iron	11.5	10	mg/kg wet							BH
Lead	BRL	0.25	mg/kg wet							
Manganese	0.0888	0.25	mg/kg wet							J
Nickel	BRL	0.25	mg/kg wet							
Selenium	BRL	1.0	mg/kg wet							
Silver	BRL	0.25	mg/kg wet							
Thallium	BRL	0.25	mg/kg wet							
Zinc	BRL	20	mg/kg wet							

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0438 - 3050B										
LCS (P6B0438-BS1)				Prepared: 02/24/16 Analyzed: 03/02/16						
Antimony	24.0	0.25	mg/kg wet	25.00		96	80-120			
Arsenic	22.8	1.5	mg/kg wet	25.00		91	80-120			
Beryllium	24.2	0.25	mg/kg wet	25.00		97	80-120			
Cadmium	23.0	0.25	mg/kg wet	25.00		92	80-120			
Chromium	23.8	0.50	mg/kg wet	25.00		95	80-120			B
Copper	23.5	0.50	mg/kg wet	25.00		94	80-120			
Iron	463	10	mg/kg wet	500.0		93	80-120			B
Lead	24.1	0.25	mg/kg wet	25.00		96	80-120			
Manganese	22.9	0.25	mg/kg wet	25.00		92	80-120			
Nickel	23.2	0.25	mg/kg wet	25.00		93	80-120			
Selenium	22.6	1.0	mg/kg wet	25.00		90	80-120			
Silver	9.48	0.25	mg/kg wet	10.00		95	80-120			
Thallium	23.7	0.25	mg/kg wet	25.00		95	80-120			
Zinc	22.6	20	mg/kg wet	25.00		90	80-120			
Matrix Spike (P6B0438-MS1)		**Source: 6020323-01**		Prepared: 02/24/16 Analyzed: 03/02/16						
Antimony	24.6	0.30	mg/kg dry	29.63	BRL	83	75-125			
Arsenic	26.6	1.8	mg/kg dry	29.63	0.290	89	75-125			
Beryllium	28.6	0.30	mg/kg dry	29.63	BRL	97	75-125			
Cadmium	27.1	0.30	mg/kg dry	29.63	BRL	91	75-125			
Chromium	35.3	0.59	mg/kg dry	29.63	7.33	94	75-125			B
Copper	30.5	0.59	mg/kg dry	29.63	3.86	90	75-125			
Iron	4840	12	mg/kg dry	592.7	4520	54	75-125			M, B
Lead	29.9	0.30	mg/kg dry	29.63	2.10	94	75-125			
Manganese	101	0.30	mg/kg dry	29.63	60.8	137	75-125			M
Nickel	29.9	0.30	mg/kg dry	29.63	2.95	91	75-125			
Selenium	26.3	1.2	mg/kg dry	29.63	BRL	89	75-125			
Silver	11.1	0.30	mg/kg dry	11.85	BRL	94	75-125			
Thallium	27.4	0.30	mg/kg dry	29.63	BRL	93	75-125			
Zinc	32.3	24	mg/kg dry	29.63	6.00	89	75-125			

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5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0438 - 3050B										
Matrix Spike Dup (P6B0438-MSD1)		**Source: 6020323-01**		Prepared: 02/24/16	Analyzed: 03/02/16					
Antimony	25.6	0.31	mg/kg dry	30.85	BRL	83	75-125	4	20	
Arsenic	28.4	1.9	mg/kg dry	30.85	0.290	91	75-125	7	20	
Beryllium	30.5	0.31	mg/kg dry	30.85	BRL	99	75-125	6	20	
Cadmium	28.7	0.31	mg/kg dry	30.85	BRL	93	75-125	6	20	
Chromium	35.6	0.62	mg/kg dry	30.85	7.33	92	75-125	0.9	20	B
Copper	33.2	0.62	mg/kg dry	30.85	3.86	95	75-125	8	20	
Iron	5210	12	mg/kg dry	617.0	4520	112	75-125	7	20	B
Lead	31.7	0.31	mg/kg dry	30.85	2.10	96	75-125	6	20	
Manganese	141	0.31	mg/kg dry	30.85	60.8	261	75-125	33	20	D, M
Nickel	31.5	0.31	mg/kg dry	30.85	2.95	93	75-125	5	20	
Selenium	27.7	1.2	mg/kg dry	30.85	BRL	90	75-125	5	20	
Silver	11.8	0.31	mg/kg dry	12.34	BRL	96	75-125	6	20	
Thallium	29.3	0.31	mg/kg dry	30.85	BRL	95	75-125	7	20	
Zinc	34.5	25	mg/kg dry	30.85	6.00	93	75-125	7	20	
Post Spike (P6B0438-PS1)		**Source: 6020323-01**		Prepared: 02/24/16	Analyzed: 03/02/16					
Antimony	89.8		ug/L	100.0	0.142	90	80-120			
Arsenic	89.5		ug/L	100.0	0.964	89	80-120			
Beryllium	94.8		ug/L	100.0	0.387	94	80-120			
Cadmium	88.6		ug/L	100.0	0.0797	88	80-120			
Chromium	117		ug/L	100.0	24.4	92	80-120			B
Copper	104		ug/L	100.0	12.8	91	80-120			
Iron	15800		ug/L	1000	15000	80	80-120			B
Lead	98.5		ug/L	100.0	6.98	91	80-120			
Manganese	291		ug/L	100.0	202	89	80-120			
Nickel	99.4		ug/L	100.0	9.79	90	80-120			
Selenium	87.4		ug/L	100.0	0.263	87	80-120			
Silver	91.2		ug/L	100.0	0.0595	91	80-120			
Thallium	88.9		ug/L	100.0	0.347	89	80-120			
Zinc	106		ug/L	100.0	20.0	86	80-120			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020323
Time Submitted: 2/18/2016 8:35:00AM

General Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0443 - NO PREP										
Blank (P6B0443-BLK1)				Prepared: 02/24/16	Analyzed: 02/25/16					
Ammonia as N	BRL	5.0	mg/kg wet							
LCS (P6B0443-BS1)				Prepared: 02/24/16	Analyzed: 02/25/16					
Ammonia as N	126	5.0	mg/kg wet	125.0		100	80-120			
Matrix Spike (P6B0443-MS1)		**Source: 6020323-01**		Prepared: 02/24/16	Analyzed: 02/25/16					
Ammonia as N	141	6.0	mg/kg dry	150.4	BRL	94	80-120			
Matrix Spike Dup (P6B0443-MSD1)		**Source: 6020323-01**		Prepared: 02/24/16	Analyzed: 02/25/16					
Ammonia as N	141	6.0	mg/kg dry	150.4	BRL	93	80-120	0.2	20	
Batch P6B0456 - Solids, Dry Weight										
Blank (P6B0456-BLK1)				Prepared & Analyzed: 02/24/16						
% Solids	100	0.100	% by Weight							
Duplicate (P6B0456-DUP1)		**Source: 6020323-03**		Prepared & Analyzed: 02/24/16						
% Solids	74.4	0.100	% by Weight		74.6			0.2	20	

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Sample Extraction Data

Prep Method: Solids, Dry Weight

Lab Number	Batch	Initial	Final	Date/Time
6020323-01	P6B0456	30 g	30 g	02/24/16 15:25
6020323-02	P6B0456	30 g	30 g	02/24/16 15:25
6020323-03	P6B0456	30 g	30 g	02/24/16 15:25
6020323-04	P6B0456	30 g	30 g	02/24/16 15:25
6020323-05	P6B0456	30 g	30 g	02/24/16 15:25

Prep Method: 3546

Lab Number	Batch	Initial	Final	Date/Time
6020323-01	P6B0371	30 g	1 mL	02/19/16 10:15
6020323-02	P6B0371	30 g	1 mL	02/19/16 10:15
6020323-03	P6B0371	30.03 g	1 mL	02/19/16 10:15
6020323-04	P6B0371	30.04 g	1 mL	02/19/16 10:15
6020323-05	P6B0371	30.04 g	1 mL	02/19/16 10:15

Prep Method: 3050B

Lab Number	Batch	Initial	Final	Date/Time
6020323-01	P6B0438	1.95 g	50 mL	02/24/16 8:30
6020323-02	P6B0438	2.03 g	50 mL	02/24/16 8:30
6020323-02	P6B0438	2.03 g	50 mL	02/24/16 8:30
6020323-03	P6B0438	1.99 g	50 mL	02/24/16 8:30
6020323-03	P6B0438	1.99 g	50 mL	02/24/16 8:30
6020323-04	P6B0438	2.01 g	50 mL	02/24/16 8:30
6020323-04	P6B0438	2.01 g	50 mL	02/24/16 8:30
6020323-05	P6B0438	2.02 g	50 mL	02/24/16 8:30
6020323-05	P6B0438	2.02 g	50 mL	02/24/16 8:30

Prep Method: 7471B

Lab Number	Batch	Initial	Final	Date/Time
6020323-01	P6B0382	0.62 g	50 mL	02/22/16 7:50
6020323-02	P6B0382	0.63 g	50 mL	02/22/16 7:50
6020323-03	P6B0382	0.64 g	50 mL	02/22/16 7:50
6020323-04	P6B0382	0.64 g	50 mL	02/22/16 7:50
6020323-05	P6B0382	0.62 g	50 mL	02/22/16 7:50

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date/Time
6020323-01	P6B0359	5.24 g	5 mL	02/18/16 12:28
6020323-02	P6B0359	5.55 g	5 mL	02/18/16 12:28
6020323-03	P6B0359	6.43 g	5 mL	02/18/16 12:28
6020323-04	P6B0359	4.83 g	5 mL	02/18/16 12:28
6020323-05	P6B0359	6.16 g	5 mL	02/18/16 12:28

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
6020323-01	P6C0016	4.85 mL	10 mL	03/01/16 11:52
6020323-02	P6C0016	5.33 mL	10 mL	03/01/16 11:52
6020323-03	P6C0016	5.95 mL	10 mL	03/01/16 11:52
6020323-04	P6C0016	3.21 mL	10 mL	03/01/16 11:52
6020323-05	P6C0016	5.86 mL	10 mL	03/01/16 11:52

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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

Subcontracted Analyses

The following analyses were subcontracted to Gulf Coast Analytical Labs, Inc.

Lab Number	Analysis
6020323-01	Sulfate by IC 9056A
6020323-02	Sulfate by IC 9056A
6020323-03	Sulfate by IC 9056A
6020323-04	Sulfate by IC 9056A
6020323-05	Sulfate by IC 9056A

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543
Phone: 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Project Name: Clayton Ball Field Sediment Samples

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: Same

Address:

Client Company Name: CDM Smith

Report To/Contact Name: Dan Forbes

Reporting Address: 5400 Glenwood Ave. Suite 300
Raleigh, NC 27612

Phone: (919) 325-3566 Fax (Yes) (No):

Email (Y s) (No) Email Address forbesd@cdmsmith.com

EDD Type: ✓ PDF ___ Excel ___ Other NCSWS EDD for LF

Site Location Name:

Site Location Physical Address:

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

Samples received after 15:00 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 ___ USACE ___ FL ___ NC ✓ SC ___ OTHER ___ N/A ___

Water Chlorinated: YES ___ NO ___

Sample Iced Upon Collection: YES ✓ NO ___

LAB USE ONLY

PH-10 2.7 1.3

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 1			
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?			✓
PROPER CONTAINERS used?	✓		

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	8260	8260SI	8270	NH3	NO3	Metals	REMARKS	PRISM LAB ID NO.
SED-1	2-17-16	1010	Soil	VOA	8	40ml	Various	✓	✓					Add TICS	01
SED-1		1010	Soil	C	1	4 oz	None			✓				Add Hg ⊥	
SED-1		1010	Soil	C	2	4 oz	None				✓	✓	✓		
SED-2		0950	Soil	C	8	40ml	Various	✓	✓					Add TICS	02
SED-2		0950	Soil	C	1	4 oz	None			✓				Add Hg ⊥	
SED-2		0950	Soil	C	2	4 oz	None				✓	✓	✓		
SED-3		0850	Soil	VOA	8	40ml	Various	✓	✓					Add TICS	03
SED-3		0850	Soil	C	1	4 oz	None			✓				Add Hg ⊥	
SED-3		0850	Soil	C	2	4 oz	None						✓		

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature Janelle Bauer Sampled By (Print Name) Janelle Bauer Affiliation CDM Smith

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
Janelle Bauer	[signature]	2-17-16	1345
[signature]	[signature]	2/18/16	0810
[signature]	[signature]	2/18/16	0835

Received For Prism Laboratories By:

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 X Other Bandac

Log-In Group No. 6020323

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

*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

ORIGINAL

Dup.0 2.7 1.3

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions
449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543
Phone: 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Project Name: Clayton Ball Field Sediment Samples

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: Same

Address:

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Report To/Contact Name: Dan Forbes

Reporting Address: 5400 Glenwood Ave. Suite 300
Raleigh, NC 27612

Phone: (919) 325-3566 Fax (Yes) (No):

Email (Y s) (No) Email Address forbesd@cdmsmith.com

EDD Type: ✓ PDF ___ Excel ___ Other NCSWS EDD for LF

Site Location Name:

Site Location Physical Address:

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

Samples received after 15:00 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? Temp ___	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		✓
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ USACE ___ 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)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	8260	8269SI	8270	NH3	NO3	Metals	REMARKS	PRISM LAB ID NO.
SED-4	2-17-16	0815	Soil	VOA	8	40ml	Various	✓	✓					Add TICS	04
SED-4		0815	Soil	C	1	4 oz	None			✓				Add Hg	
SED-4		0815	Soil	C	2	4 oz	None				✓	✓	✓		
DUP		0830	Soil	C	8	40ml	Various	✓	✓					Add TICS	05
DUP		0830	Soil	C	1	4 oz	None			✓				Add Hg	
DUP		0830	Soil	C	2	4 oz	None				✓	✓	✓		
~~SEEP-1~~			~~Soil~~	~~VOA~~	~~8~~	~~40ml~~	~~Various~~	~~✓~~	~~✓~~					~~Add TICS~~	
~~SEEP-1~~			~~Soil~~	~~C~~	~~1~~	~~4 oz~~	~~None~~			~~✓~~				~~Add Hg~~	
~~SEEP-1~~			~~Soil~~	~~C~~	~~2~~	~~4 oz~~	~~None~~						~~✓~~		

Sampler's Signature Janelle Bauer Sampled By (Print Name) Janelle Bauer Affiliation CDM Smith

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
Janelle Bauer	[signature]	2-17-16	1348
[signature]	[signature]	2/18/16	0810
[signature]	Received For Prism Laboratories By: [signature]	2/18/16	0835

Additional Comments:

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

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 Bradley

Log-In Group No. 6020323

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

*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

ORIGINAL

ACCESS
ANALYTICAL, INC.

ANALYTICAL REPORT

CLIENT
Prism Laboratories Inc.
PO BOX 240543
Charlotte, NC 28224

ATTENTION
Robbi Jones

PROJECT ID
6020323

LABORATORY REPORT NUMBER
216031021

DATE
03/14/2016

Primary Data Review By

Authorized Signature

Secondary Data Review By

Ashley B. Amick
Project Manager, Access Analytical, Inc.
aamick@accessanalyticalinc.com

PLEASE NOTE:

- **Unless otherwise noted, all analysis on this report performed at Gulf Coast Analytical Labs (GCAL), 7979 Innovation Park Dr., Baton Rouge, LA 70820.**
- **GCAL is SCDHEC certified laboratory # 73006, NCDENR certified lab # 618, GA certified lab # LA-01955, NELAP certified laboratory # 01955**
- Local support services for this project are provided by Access Analytical, Inc.. Access Analytical is a representative of GCAL serving clients in the SC/NC/GA areas. All questions regarding this report should be directed to your local Access Analytical representative at 803.781.4243 or toll free at 888.315.4243.

GCAL
ANALYTICAL LABORATORIES, LLC

NELAP CERTIFICATE NUMBER: 01955
DOD ELAP CERTIFICATE NUMBER: L14-243

ANALYTICAL RESULTS

PERFORMED BY

GCAL, LLC
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 03/14/2016

GCAL Report 216031021

Project 6020323

Deliver To	*Additional Recipients*
Robbi Jones Prism Laboratories Inc. PO BOX 240543 Charlotte, NC 28224 706-529-6364	NONE

PJLA
Testing
DoD ELAP

ISO
17025

NELAP ACCREDITED
TNI
LABORATORY

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations that may be Utilized in this Report

ND	Indicates the result was Not Detected at the specified reporting limit
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
DL	Detection Limit
DL	Diluted analysis – when appended to Client Sample ID
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
CF	HPLC or GC Confirmation
00:01	Reported as a time equivalent to 12:00 AM

Reporting Flags that may be Utilized in this Report

J or I	Indicates the result is between the MDL and LOQ
J	DOD flag on analyte in the parent sample for MS/MSD outside acceptance criteria
U	Indicates the compound was analyzed for but not detected
B or V	Indicates the analyte was detected in the associated Method Blank
Q	Indicates a non-compliant QC Result (See Q Flag Application Report)
*	Indicates a non-compliant or not applicable QC recovery or RPD – see narrative
E	The result is estimated because it exceeded the instrument calibration range
E	Metals - % diference for the serial dilution is > 10%
P	RPD between primary and confirmation result is greater than 40

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with The NELAC Institute (TNI) Standard 2009 and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Karen Melenher/Mrg Data Del

Authorized Signature
GCAL Report 216031021

Certifications

Certification	Certification Number
DOD ELAP	L14-243
Alabama	01955
Arkansas	12-060-0
Colorado	01955
Delaware	01955
Florida	E87854
Georgia	01955
Hawaii	01955
Idaho	01955
Illinois	200048
Indiana	01955
Kansas	E-10354
Kentucky	95
Louisiana	01955
Maryland	01955
Massachusetts	01955
Michigan	01955
Mississippi	01955
Missouri	01955
Montana	N/A
Nebraska	01955
New Mexico	01955
North Carolina	618
North Dakota	R-195
Oklahoma	9403
South Carolina	73006001
South Dakota	01955
Tennessee	01955
Texas	T104704178
Vermont	01955
Virginia	460215
USDA Soil Permit	P330-10-00117

Case Narrative

Client: Access Analytical **Report:** 216031021

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the Report Sample Summary page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

No anomalies were found for the analyzed sample(s).

Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21603102101	SED-1	Solid	02/17/2016 10:10	03/10/2016 12:15
21603102102	SED-2	Solid	02/17/2016 09:50	03/10/2016 12:15
21603102103	SED-3	Solid	02/17/2016 08:50	03/10/2016 12:15
21603102104	SED-4	Solid	02/17/2016 08:15	03/10/2016 12:15
21603102105	DUP	Solid	02/17/2016 08:30	03/10/2016 12:15

Summary of Compounds Detected

SED-1

Collect Date 02/17/2016 10:10 **GCAL ID** 21603102101
Receive Date 03/10/2016 12:15 **Matrix** Solid

EPA 9056A *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	DL	LOQ	Units
14808-79-8	Sulfate	4.99	0.026	2.64	mg/kg

SED-2

Collect Date 02/17/2016 09:50 **GCAL ID** 21603102102
Receive Date 03/10/2016 12:15 **Matrix** Solid

EPA 9056A *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	DL	LOQ	Units
14808-79-8	Sulfate	86.7	0.030	3.04	mg/kg

SED-3

Collect Date 02/17/2016 08:50 **GCAL ID** 21603102103
Receive Date 03/10/2016 12:15 **Matrix** Solid

EPA 9056A *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	DL	LOQ	Units
14808-79-8	Sulfate	20.0	0.029	2.85	mg/kg

SED-4

Collect Date 02/17/2016 08:15 **GCAL ID** 21603102104
Receive Date 03/10/2016 12:15 **Matrix** Solid

EPA 9056A *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	DL	LOQ	Units
14808-79-8	Sulfate	14.1	0.033	3.27	mg/kg

DUP

Collect Date 02/17/2016 08:30 **GCAL ID** 21603102105
Receive Date 03/10/2016 12:15 **Matrix** Solid

EPA 9056A *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	DL	LOQ	Units
14808-79-8	Sulfate	14.4	0.029	2.85	mg/kg

Sample Results

SED-1

Collect Date	02/17/2016 10:10	**GCAL ID**	21603102101
Receive Date	03/10/2016 12:15	**Matrix**	Solid

EPA 9056A *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
03/12/2016 13:00	581441	EPA 5050/Water Extract	1	03/12/2016 18:35	SMR	581557

CAS#	Parameter	Result	DL	LOQ	Units
14808-79-8	Sulfate	4.99	0.026	2.64	mg/kg

SED-2

Collect Date	02/17/2016 09:50	**GCAL ID**	21603102102
Receive Date	03/10/2016 12:15	**Matrix**	Solid

EPA 9056A *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
03/12/2016 13:00	581441	EPA 5050/Water Extract	1	03/12/2016 19:28	SMR	581557

CAS#	Parameter	Result	DL	LOQ	Units
14808-79-8	Sulfate	86.7	0.030	3.04	mg/kg

SED-3

Collect Date	02/17/2016 08:50	**GCAL ID**	21603102103
Receive Date	03/10/2016 12:15	**Matrix**	Solid

EPA 9056A *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
03/12/2016 13:00	581441	EPA 5050/Water Extract	1	03/12/2016 19:45	SMR	581557

CAS#	Parameter	Result	DL	LOQ	Units
14808-79-8	Sulfate	20.0	0.029	2.85	mg/kg

SED-4

Collect Date	02/17/2016 08:15	**GCAL ID**	21603102104
Receive Date	03/10/2016 12:15	**Matrix**	Solid

EPA 9056A *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
03/12/2016 13:00	581441	EPA 5050/Water Extract	1	03/12/2016 20:03	SMR	581557

CAS#	Parameter	Result	DL	LOQ	Units
14808-79-8	Sulfate	14.1	0.033	3.27	mg/kg

Sample Results

DUP	Collect Date	02/17/2016 08:30	GCAL ID	21603102105
	Receive Date	03/10/2016 12:15	Matrix	Solid

EPA 9056A *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
03/12/2016 13:00	581441	EPA 5050/Water Extract	1	03/12/2016 20:20	SMR	581557

CAS#	Parameter	Result	DL	LOQ	Units
14808-79-8	Sulfate	14.4	0.029	2.85	mg/kg

General Chemistry QC Summary

Analytical Batch	Client ID	MB581441		LCS581441			
581557	GCAL ID	1548939		1548940			
Prep Batch	Sample Type	MB		LCS			
581441	Prep Date	03/12/2016 13:00		03/12/2016 13:00			
Prep Method	Analysis Date	03/12/2016 20:55		03/12/2016 20:37			
EPA 5050/Water Extract	Matrix	Solid		Solid			
EPA 9056A		Units Result	mg/kg DL	Spike Added	Result	%R	Control Limits%R
Sulfate	14808-79-8	0.020U	0.020	25.0	24.0	96	80 - 120

Analytical Batch	Client ID	SED-1		1548890DUP			1548890MS			
581557	GCAL ID	21603102101		1549460			1549459			
Prep Batch	Sample Type	SAMPLE		DUP			MS			
581441	Prep Date	03/12/2016 13:00		03/12/2016 13:00			03/12/2016 13:00			
Prep Method	Analysis Date	03/12/2016 18:35		03/12/2016 19:10			03/12/2016 18:53			
EPA 5050/Water Extract	Matrix	Solid		Solid			Solid			
EPA 9056A		Units Result	mg/kg DL	Result	RPD	RPD Limit	Spike Added	Result	%R	Control Limits%R
Sulfate	14808-79-8		0.026	4.97	0	25	33.1	32.8	84	75 - 125

Sub to GCAL ~~Std.~~ Priority Overnite 3/9/16

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

SUBCONTRACT ORDER
Prism Laboratories, Inc.
6020323

Client ID: 4565 - Access Analytical
SDG: 216031021
PM: SAK

SENDING LABORATORY:
Prism Laboratories, Inc.
P. O. Box 240543
Charlotte, NC 28224-0543
Phone: 800-529-6364
Fax: 704-525-0409
Project Manager: Robbi A. Jones

RECEIVING LABORATORY:
Gulf Coast Analytical Labs, Inc.
7979 GSRI Avenue
Baton Rouge, LA 70820
Phone :(225) 769-4900
Fax: (225) 767-5717

Report J Values.
Please report on Mon. 3/14/16!
Thank You

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 6020323-01	**Solid**	**Sampled:02/17/16 10:10**	SED-1 -1	
Sulfate by IC 9056A		03/16/16 10:10		
Containers Supplied:				
Sample ID: 6020323-02	**Solid**	**Sampled:02/17/16 09:50**	SED-2 -2	
Sulfate by IC 9056A		03/16/16 09:50		
Containers Supplied:				
Sample ID: 6020323-03	**Solid**	**Sampled:02/17/16 08:50**	SED-3 -3	
Sulfate by IC 9056A		03/16/16 08:50		
Containers Supplied:				
Sample ID: 6020323-04	**Solid**	**Sampled:02/17/16 08:15**	SED-4 -4	
Sulfate by IC 9056A		03/16/16 08:15		
Containers Supplied:				
Sample ID: 6020323-05	**Solid**	**Sampled:02/17/16 08:30**	DUP -5	
Sulfate by IC 9056A		03/16/16 08:30		

Released By	Date	Received By	Date
[signature]	3/9/16	~~GCA~~ Fedex	3/9/16
Fed Ex	3/10/16	Dodie McCann GCAL	3-10-15 12:15

7758 2135 9463 3.2 E26 44CPM

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

216031021

SAMPLE DELIVERY GROUP 216031021

Client PM SAK 4565 - Access Analytical	**Transport Method** FEDEX
Profile Number 80255	**Received By** McCune, Dodie N.
Line Item(s) 12 - Solid- Sulfate9056	**Receive Date(s)** 03/10/16

CHECKLIST	YES	NO	NA
Samples received with proper thermal and chemical preservation?	✓		
Radioactivity is <1600 cmp? If no, record cmp value in notes section.	✓		
Custody seals present and intact?	✓		
COC relinquished and complete (including sample IDs, collect dates/times, and sampler name)?		✓	
Short holds or RUSH samples received?	✓		
All containers received in good condition and within hold time?	✓		
All sample labels and containers received match the chain of custody?	✓		
Preservation checked at receipt? Exceptions: VOC, Coliform, TOC, Oil and Grease, DOC			✓
Preservative added to any containers?		✓	
VOC water containers received with headspace < 6mm?			✓
Received filtered sample volume for dissolved analysis?			✓
Trip blank present in all coolers containing VOC waters?			✓
Samples collected in containers provided by GCAL?		✓	

COOLERS

Airbill	Thermometer ID: E26	Temp(°C)
775838359463		3.2

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.5

Page 1 of 1

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 460211
DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

03/04/2016

CDM Smith, Inc. (Raleigh)
Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Lab Submittal Date: 02/18/2016
Prism Work Order: 6020324

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.

Robbi A. Jones
President/Project Manager

Reviewed By Robbi A. Jones
President/Project Manager

Data Qualifiers Key Reference:

B	Analyte is found in the associated blank at a concentration >1/2 RL.
CVL	CCV result is below the control limits. LCS recovery within the limits. Analyte not detected in the sample. No further action taken.
D	RPD value outside of the control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
L	Parameter reported with possible low bias. LCS recovery below the QC limit.
L2	LCSD recovery outside of the QC limits. LCS recovery within the limits. No further action taken.
LH	High LCS recovery. Analyte not detected in the sample(s). No further action taken.
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.

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Sample Receipt Summary

03/04/2016

Prism Work Order: 6020324

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
SW-1	6020324-01	Water	02/17/16	02/18/16
SW-2	6020324-02	Water	02/17/16	02/18/16
SW-3	6020324-03	Water	02/17/16	02/18/16
SW-4	6020324-04	Water	02/17/16	02/18/16
Rinsate Blank	6020324-05	Water	02/17/16	02/18/16
Trip Blank	6020324-06	Water	02/17/16	02/18/16
Dup	6020324-07	Water	02/17/16	02/18/16

Samples were received in good condition at 1.3 degrees C unless otherwise noted.

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Summary of Detections

03/04/2016

Prism Work Order: 6020324

Prism ID	Client ID	Parameter	Method	Result		Units
6020324-01	SW-1	Nitrate as N	9056A	0.42		mg/L
6020324-01	SW-1	Sulfate	9056A	6.0		mg/L
6020324-01	SW-1	Antimony	6020A	0.11	J	ug/L
6020324-01	SW-1	Arsenic	6020A	0.49	J	ug/L
6020324-01	SW-1	Beryllium	6020A	0.095	J	ug/L
6020324-01	SW-1	Cadmium	6020A	0.066	J	ug/L
6020324-01	SW-1	Chromium	6020A	1.7	J, B	ug/L
6020324-01	SW-1	Copper	6020A	1.8	J	ug/L
6020324-01	SW-1	Iron	6020A	1000		ug/L
6020324-01	SW-1	Lead	6020A	0.71	J	ug/L
6020324-01	SW-1	Manganese	6020A	17		ug/L
6020324-01	SW-1	Nickel	6020A	1.1	J	ug/L
6020324-01	SW-1	Silver	6020A	0.085	J	ug/L
6020324-01	SW-1	Thallium	6020A	0.11	J	ug/L
6020324-01	SW-1	Zinc	6020A	6.2	J	ug/L
6020324-02	SW-2	Nitrate as N	9056A	0.43		mg/L
6020324-02	SW-2	Sulfate	9056A	4.4		mg/L
6020324-02	SW-2	Antimony	6020A	0.088	J	ug/L
6020324-02	SW-2	Arsenic	6020A	0.67	J	ug/L
6020324-02	SW-2	Beryllium	6020A	0.069	J	ug/L
6020324-02	SW-2	Cadmium	6020A	0.057	J	ug/L
6020324-02	SW-2	Chromium	6020A	1.8	J, B	ug/L
6020324-02	SW-2	Copper	6020A	1.8	J	ug/L
6020324-02	SW-2	Iron	6020A	930		ug/L
6020324-02	SW-2	Lead	6020A	0.71	J	ug/L
6020324-02	SW-2	Manganese	6020A	17		ug/L
6020324-02	SW-2	Nickel	6020A	1.4	J	ug/L
6020324-02	SW-2	Silver	6020A	0.076	J	ug/L
6020324-02	SW-2	Thallium	6020A	0.096	J	ug/L
6020324-02	SW-2	Zinc	6020A	6.5	J	ug/L
6020324-03	SW-3	Nitrate as N	9056A	0.70		mg/L
6020324-03	SW-3	Sulfate	9056A	12		mg/L
6020324-03	SW-3	Antimony	6020A	0.082	J	ug/L
6020324-03	SW-3	Arsenic	6020A	0.88	J	ug/L
6020324-03	SW-3	Beryllium	6020A	0.075	J	ug/L
6020324-03	SW-3	Cadmium	6020A	0.064	J	ug/L
6020324-03	SW-3	Chromium	6020A	2.1	J, B	ug/L
6020324-03	SW-3	Copper	6020A	2.5	J	ug/L
6020324-03	SW-3	Iron	6020A	1400		ug/L
6020324-03	SW-3	Lead	6020A	0.88	J	ug/L
6020324-03	SW-3	Manganese	6020A	27		ug/L
6020324-03	SW-3	Nickel	6020A	2.1		ug/L
6020324-03	SW-3	Silver	6020A	0.067	J	ug/L
6020324-03	SW-3	Thallium	6020A	0.081	J	ug/L

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Summary of Detections

03/04/2016

Prism Work Order: 6020324

Prism ID	Client ID	Parameter	Method	Result		Units
6020324-03	SW-3	Zinc	6020A	7.8	J	ug/L
6020324-04	SW-4	Nitrate as N	9056A	0.41		mg/L
6020324-04	SW-4	Sulfate	9056A	5.2		mg/L
6020324-04	SW-4	Mercury	7470A	0.000076	J	mg/L
6020324-04	SW-4	Antimony	6020A	0.083	J	ug/L
6020324-04	SW-4	Arsenic	6020A	0.75	J	ug/L
6020324-04	SW-4	Beryllium	6020A	0.049	J	ug/L
6020324-04	SW-4	Cadmium	6020A	0.041	J	ug/L
6020324-04	SW-4	Chromium	6020A	1.8	J, B	ug/L
6020324-04	SW-4	Copper	6020A	1.5	J	ug/L
6020324-04	SW-4	Iron	6020A	1000		ug/L
6020324-04	SW-4	Lead	6020A	0.73	J	ug/L
6020324-04	SW-4	Manganese	6020A	19		ug/L
6020324-04	SW-4	Nickel	6020A	0.98	J	ug/L
6020324-04	SW-4	Silver	6020A	0.044	J	ug/L
6020324-04	SW-4	Thallium	6020A	0.070	J	ug/L
6020324-04	SW-4	Zinc	6020A	7.3	J	ug/L
6020324-05	Rinsate Blank	Cadmium	6020A	0.039	J	ug/L
6020324-05	Rinsate Blank	Chromium	6020A	1.3	J, B	ug/L
6020324-05	Rinsate Blank	Iron	6020A	270		ug/L
6020324-05	Rinsate Blank	Lead	6020A	0.48	J	ug/L
6020324-05	Rinsate Blank	Manganese	6020A	4.2	J	ug/L
6020324-05	Rinsate Blank	Nickel	6020A	1.0	J	ug/L
6020324-05	Rinsate Blank	Silver	6020A	0.025	J	ug/L
6020324-05	Rinsate Blank	Thallium	6020A	0.050	J	ug/L
6020324-05	Rinsate Blank	Zinc	6020A	3.2	J	ug/L
6020324-07	Dup	Nitrate as N	9056A	0.37		mg/L
6020324-07	Dup	Sulfate	9056A	4.7		mg/L
6020324-07	Dup	Arsenic	6020A	0.54	J	ug/L
6020324-07	Dup	Cadmium	6020A	0.035	J	ug/L
6020324-07	Dup	Chromium	6020A	2.3	J, B	ug/L
6020324-07	Dup	Copper	6020A	1.4	J	ug/L
6020324-07	Dup	Iron	6020A	980		ug/L
6020324-07	Dup	Lead	6020A	0.63	J	ug/L
6020324-07	Dup	Manganese	6020A	16		ug/L
6020324-07	Dup	Nickel	6020A	1.1	J	ug/L
6020324-07	Dup	Silver	6020A	0.024	J	ug/L
6020324-07	Dup	Thallium	6020A	0.055	J	ug/L
6020324-07	Dup	Zinc	6020A	6.1	J	ug/L

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-1
Prism Sample ID: 6020324-01
Prism Work Order: 6020324
Time Collected: 02/17/16 10:10
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Nitrate as N	**0.42**	**mg/L**	**0.10**	**0.018**	**1**	**9056A**	**2/18/16 16:45**	**CDE**	**P6B0356**
Sulfate	**6.0**	**mg/L**	**1.0**	**0.24**	**1**	**9056A**	**2/18/16 16:45**	**CDE**	**P6B0356**
General Chemistry Parameters									
Ammonia as N	BRL	mg/L	0.10	0.034	1	SM4500-NH3 G	2/25/16 11:11	CLB	P6B0444
Semivolatile Organic Compounds by GC/MS									
1,1'-Biphenyl	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:14	JMV	P6B0416
2,3,4,6-Tetrachlorophenol	BRL	ug/L	10	2.8	1	8270D	2/23/16 18:14	JMV	P6B0416
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:14	JMV	P6B0416
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	2/23/16 18:14	JMV	P6B0416
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:14	JMV	P6B0416
2,4-Dimethylphenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:14	JMV	P6B0416
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	2/23/16 18:14	JMV	P6B0416
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:14	JMV	P6B0416
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:14	JMV	P6B0416
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	2/23/16 18:14	JMV	P6B0416
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:14	JMV	P6B0416
2-Methylnaphthalene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:14	JMV	P6B0416
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	2/23/16 18:14	JMV	P6B0416
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:14	JMV	P6B0416
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:14	JMV	P6B0416
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:14	JMV	P6B0416
3/4-Methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:14	JMV	P6B0416
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	2/23/16 18:14	JMV	P6B0416
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:14	JMV	P6B0416
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:14	JMV	P6B0416
4-Chloro-3-methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:14	JMV	P6B0416
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:14	JMV	P6B0416
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:14	JMV	P6B0416
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:14	JMV	P6B0416
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	2/23/16 18:14	JMV	P6B0416
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:14	JMV	P6B0416
Acenaphthylene	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:14	JMV	P6B0416
Acetophenone	BRL	ug/L	10	2.9	1	8270D	2/23/16 18:14	JMV	P6B0416
Anthracene	BRL	ug/L	10	3.0	1	8270D	2/23/16 18:14	JMV	P6B0416
Atrazine	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:14	JMV	P6B0416
Benzaldehyde	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:14	JMV	P6B0416
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:14	JMV	P6B0416
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:14	JMV	P6B0416
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	2/23/16 18:14	JMV	P6B0416
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:14	JMV	P6B0416
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:14	JMV	P6B0416

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-1
Prism Sample ID: 6020324-01
Prism Work Order: 6020324
Time Collected: 02/17/16 10:10
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:14	JMV	P6B0416
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:14	JMV	P6B0416
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:14	JMV	P6B0416
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:14	JMV	P6B0416
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:14	JMV	P6B0416
Caprolactam	BRL	ug/L	10	0.90	1	8270D	2/23/16 18:14	JMV	P6B0416
Carbazole	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:14	JMV	P6B0416
Chrysene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:14	JMV	P6B0416
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:14	JMV	P6B0416
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:14	JMV	P6B0416
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:14	JMV	P6B0416
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:14	JMV	P6B0416
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:14	JMV	P6B0416
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	2/23/16 18:14	JMV	P6B0416
Fluoranthene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:14	JMV	P6B0416
Fluorene	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:14	JMV	P6B0416
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:14	JMV	P6B0416
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	2/23/16 18:14	JMV	P6B0416
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:14	JMV	P6B0416
Hexachloroethane	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:14	JMV	P6B0416
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	2/23/16 18:14	JMV	P6B0416
Isophorone	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:14	JMV	P6B0416
Naphthalene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:14	JMV	P6B0416
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:14	JMV	P6B0416
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:14	JMV	P6B0416
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:14	JMV	P6B0416
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:14	JMV	P6B0416
Phenanthrene	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:14	JMV	P6B0416
Phenol	BRL	ug/L	10	1.2	1	8270D	2/23/16 18:14	JMV	P6B0416
Pyrene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:14	JMV	P6B0416
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8270D	2/23/16 18:14	JMV	P6B0416

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*86 %*	*43-140*
2-Fluorobiphenyl	*76 %*	*44-119*
2-Fluorophenol	*50 %*	*19-119*
Nitrobenzene-d5	*81 %*	*44-120*
Phenol-d5	*32 %*	*11-52*
Terphenyl-d14	*95 %*	*50-134*

Total Metals

Mercury	BRL	mg/L	0.00020	0.000030	1	7470A	2/19/16 12:05	JAB	P6B0360
Antimony	**0.11 J**	**ug/L**	**1.0**	**0.069**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Arsenic	**0.49 J**	**ug/L**	**1.0**	**0.29**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-1
Prism Sample ID: 6020324-01
Prism Work Order: 6020324
Time Collected: 02/17/16 10:10
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Beryllium	**0.095 J**	**ug/L**	**1.0**	**0.047**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Cadmium	**0.066 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Chromium	**1.7 J, B**	**ug/L**	**3.0**	**0.51**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Copper	**1.8 J**	**ug/L**	**5.0**	**0.44**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Iron	**1000**	**ug/L**	**100**	**16**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Lead	**0.71 J**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Manganese	**17**	**ug/L**	**5.0**	**1.2**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Nickel	**1.1 J**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Selenium	BRL	ug/L	1.0	0.35	1	6020A	3/2/16 17:00	gmart	P6B0437
Silver	**0.085 J**	**ug/L**	**1.0**	**0.011**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Thallium	**0.11 J**	**ug/L**	**1.0**	**0.0093**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Zinc	**6.2 J**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**3/2/16 17:00**	**gmart**	**P6B0437**
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 16:16	KDM	P6B0384
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.036	1	8260B	2/19/16 16:16	KDM	P6B0384
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	ug/L	5.0	0.079	1	8260B	2/19/16 16:16	KDM	P6B0384
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 16:16	KDM	P6B0384
1,1-Dichloroethane	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 16:16	KDM	P6B0384
1,1-Dichloroethylene	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 16:16	KDM	P6B0384
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	2/19/16 16:16	KDM	P6B0384
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	2/19/16 16:16	KDM	P6B0384
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	2/19/16 16:16	KDM	P6B0384
1,2-Dibromoethane	BRL	ug/L	1.0	0.051	1	8260B	2/19/16 16:16	KDM	P6B0384
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 16:16	KDM	P6B0384
1,2-Dichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 16:16	KDM	P6B0384
1,2-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	2/19/16 16:16	KDM	P6B0384
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 16:16	KDM	P6B0384
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.050	1	8260B	2/19/16 16:16	KDM	P6B0384
Acetone	BRL	ug/L	10	0.31	1	8260B	2/19/16 16:16	KDM	P6B0384
Benzene	BRL	ug/L	1.0	0.048	1	8260B	2/19/16 16:16	KDM	P6B0384
Bromochloromethane	BRL	ug/L	1.0	0.14	1	8260B	2/19/16 16:16	KDM	P6B0384
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 16:16	KDM	P6B0384
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	2/19/16 16:16	KDM	P6B0384
Bromomethane	BRL	ug/L	3.0	0.18	1	8260B	2/19/16 16:16	KDM	P6B0384
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	2/19/16 16:16	KDM	P6B0384
Carbon Tetrachloride	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 16:16	KDM	P6B0384
Chlorobenzene	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 16:16	KDM	P6B0384
Chloroethane	BRL	ug/L	5.0	0.22	1	8260B	2/19/16 16:16	KDM	P6B0384
Chloroform	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 16:16	KDM	P6B0384
Chloromethane	BRL	ug/L	2.0	0.079	1	8260B	2/19/16 16:16	KDM	P6B0384
cis-1,2-Dichloroethylene	BRL	ug/L	1.0	0.056	1	8260B	2/19/16 16:16	KDM	P6B0384
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.079	1	8260B	2/19/16 16:16	KDM	P6B0384

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-1
Prism Sample ID: 6020324-01
Prism Work Order: 6020324
Time Collected: 02/17/16 10:10
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Cyclohexane	BRL	ug/L	5.0	0.022	1	8260B	2/19/16 16:16	KDM	P6B0384
Dibromochloromethane	BRL	ug/L	1.0	0.081	1	8260B	2/19/16 16:16	KDM	P6B0384
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 16:16	KDM	P6B0384
Ethylbenzene	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 16:16	KDM	P6B0384
Isopropylbenzene (Cumene)	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 16:16	KDM	P6B0384
m,p-Xylenes	BRL	ug/L	2.0	0.12	1	8260B	2/19/16 16:16	KDM	P6B0384
Methyl Acetate	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 16:16	KDM	P6B0384
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	2/19/16 16:16	KDM	P6B0384
Methylcyclohexane	BRL	ug/L	5.0	0.076	1	8260B	2/19/16 16:16	KDM	P6B0384
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 16:16	KDM	P6B0384
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	2/19/16 16:16	KDM	P6B0384
Methylene Chloride	BRL	ug/L	2.0	0.083	1	8260B	2/19/16 16:16	KDM	P6B0384
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	8260B	2/19/16 16:16	KDM	P6B0384
o-Xylene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 16:16	KDM	P6B0384
Styrene	BRL	ug/L	1.0	0.047	1	8260B	2/19/16 16:16	KDM	P6B0384
Tetrachloroethylene	BRL	ug/L	1.0	0.098	1	8260B	2/19/16 16:16	KDM	P6B0384
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	2/19/16 16:16	KDM	P6B0384
Toluene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 16:16	KDM	P6B0384
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.094	1	8260B	2/19/16 16:16	KDM	P6B0384
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.070	1	8260B	2/19/16 16:16	KDM	P6B0384
Trichloroethylene	BRL	ug/L	2.0	0.078	1	8260B	2/19/16 16:16	KDM	P6B0384
Trichlorofluoromethane	BRL	ug/L	2.0	0.062	1	8260B	2/19/16 16:16	KDM	P6B0384
Vinyl chloride	BRL	ug/L	2.0	0.097	1	8260B	2/19/16 16:16	KDM	P6B0384
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8260B	2/19/16 16:16	KDM	P6B0384

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*99 %*	*80-124*
Dibromofluoromethane	*90 %*	*75-129*
Toluene-d8	*93 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	0.52	1	8260B SIM	3/1/16 23:07	ANG	P6C0017

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-2
Prism Sample ID: 6020324-02
Prism Work Order: 6020324
Time Collected: 02/17/16 09:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Nitrate as N	**0.43**	**mg/L**	**0.10**	**0.018**	**1**	**9056A**	**2/18/16 17:36**	**CDE**	**P6B0356**
Sulfate	**4.4**	**mg/L**	**1.0**	**0.24**	**1**	**9056A**	**2/18/16 17:36**	**CDE**	**P6B0356**
General Chemistry Parameters									
Ammonia as N	BRL	mg/L	0.10	0.034	1	SM4500-NH3 G	2/25/16 11:11	CLB	P6B0444
Semivolatile Organic Compounds by GC/MS									
1,1'-Biphenyl	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:36	JMV	P6B0416
2,3,4,6-Tetrachlorophenol	BRL	ug/L	10	2.8	1	8270D	2/23/16 18:36	JMV	P6B0416
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:36	JMV	P6B0416
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	2/23/16 18:36	JMV	P6B0416
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:36	JMV	P6B0416
2,4-Dimethylphenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:36	JMV	P6B0416
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	2/23/16 18:36	JMV	P6B0416
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:36	JMV	P6B0416
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:36	JMV	P6B0416
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	2/23/16 18:36	JMV	P6B0416
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:36	JMV	P6B0416
2-Methylnaphthalene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:36	JMV	P6B0416
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	2/23/16 18:36	JMV	P6B0416
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:36	JMV	P6B0416
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:36	JMV	P6B0416
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:36	JMV	P6B0416
3/4-Methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:36	JMV	P6B0416
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	2/23/16 18:36	JMV	P6B0416
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:36	JMV	P6B0416
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:36	JMV	P6B0416
4-Chloro-3-methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:36	JMV	P6B0416
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:36	JMV	P6B0416
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:36	JMV	P6B0416
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:36	JMV	P6B0416
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	2/23/16 18:36	JMV	P6B0416
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:36	JMV	P6B0416
Acenaphthylene	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:36	JMV	P6B0416
Acetophenone	BRL	ug/L	10	2.9	1	8270D	2/23/16 18:36	JMV	P6B0416
Anthracene	BRL	ug/L	10	3.0	1	8270D	2/23/16 18:36	JMV	P6B0416
Atrazine	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:36	JMV	P6B0416
Benzaldehyde	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:36	JMV	P6B0416
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:36	JMV	P6B0416
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:36	JMV	P6B0416
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	2/23/16 18:36	JMV	P6B0416
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:36	JMV	P6B0416
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:36	JMV	P6B0416

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-2
Prism Sample ID: 6020324-02
Prism Work Order: 6020324
Time Collected: 02/17/16 09:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:36	JMV	P6B0416
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:36	JMV	P6B0416
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:36	JMV	P6B0416
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:36	JMV	P6B0416
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:36	JMV	P6B0416
Caprolactam	BRL	ug/L	10	0.90	1	8270D	2/23/16 18:36	JMV	P6B0416
Carbazole	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:36	JMV	P6B0416
Chrysene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:36	JMV	P6B0416
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:36	JMV	P6B0416
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:36	JMV	P6B0416
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:36	JMV	P6B0416
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:36	JMV	P6B0416
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:36	JMV	P6B0416
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	2/23/16 18:36	JMV	P6B0416
Fluoranthene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:36	JMV	P6B0416
Fluorene	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:36	JMV	P6B0416
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:36	JMV	P6B0416
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	2/23/16 18:36	JMV	P6B0416
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:36	JMV	P6B0416
Hexachloroethane	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:36	JMV	P6B0416
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	2/23/16 18:36	JMV	P6B0416
Isophorone	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:36	JMV	P6B0416
Naphthalene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:36	JMV	P6B0416
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:36	JMV	P6B0416
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:36	JMV	P6B0416
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:36	JMV	P6B0416
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:36	JMV	P6B0416
Phenanthrene	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:36	JMV	P6B0416
Phenol	BRL	ug/L	10	1.2	1	8270D	2/23/16 18:36	JMV	P6B0416
Pyrene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:36	JMV	P6B0416
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8270D	2/23/16 18:36	JMV	P6B0416

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*76 %*	*43-140*
2-Fluorobiphenyl	*62 %*	*44-119*
2-Fluorophenol	*35 %*	*19-119*
Nitrobenzene-d5	*66 %*	*44-120*
Phenol-d5	*23 %*	*11-52*
Terphenyl-d14	*86 %*	*50-134*

Total Metals

Mercury	BRL	mg/L	0.00020	0.000030	1	7470A	2/19/16 12:16	JAB	P6B0360
Antimony	**0.088 J**	**ug/L**	**1.0**	**0.069**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Arsenic	**0.67 J**	**ug/L**	**1.0**	**0.29**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-2
Prism Sample ID: 6020324-02
Prism Work Order: 6020324
Time Collected: 02/17/16 09:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Beryllium	**0.069 J**	**ug/L**	**1.0**	**0.047**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Cadmium	**0.057 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Chromium	**1.8 J, B**	**ug/L**	**3.0**	**0.51**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Copper	**1.8 J**	**ug/L**	**5.0**	**0.44**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Iron	**930**	**ug/L**	**100**	**16**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Lead	**0.71 J**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Manganese	**17**	**ug/L**	**5.0**	**1.2**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Nickel	**1.4 J**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Selenium	BRL	ug/L	1.0	0.35	1	6020A	3/2/16 17:03	gmart	P6B0437
Silver	**0.076 J**	**ug/L**	**1.0**	**0.011**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Thallium	**0.096 J**	**ug/L**	**1.0**	**0.0093**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Zinc	**6.5 J**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**3/2/16 17:03**	**gmart**	**P6B0437**
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 16:41	KDM	P6B0384
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.036	1	8260B	2/19/16 16:41	KDM	P6B0384
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	ug/L	5.0	0.079	1	8260B	2/19/16 16:41	KDM	P6B0384
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 16:41	KDM	P6B0384
1,1-Dichloroethane	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 16:41	KDM	P6B0384
1,1-Dichloroethylene	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 16:41	KDM	P6B0384
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	2/19/16 16:41	KDM	P6B0384
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	2/19/16 16:41	KDM	P6B0384
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	2/19/16 16:41	KDM	P6B0384
1,2-Dibromoethane	BRL	ug/L	1.0	0.051	1	8260B	2/19/16 16:41	KDM	P6B0384
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 16:41	KDM	P6B0384
1,2-Dichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 16:41	KDM	P6B0384
1,2-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	2/19/16 16:41	KDM	P6B0384
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 16:41	KDM	P6B0384
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.050	1	8260B	2/19/16 16:41	KDM	P6B0384
Acetone	BRL	ug/L	10	0.31	1	8260B	2/19/16 16:41	KDM	P6B0384
Benzene	BRL	ug/L	1.0	0.048	1	8260B	2/19/16 16:41	KDM	P6B0384
Bromochloromethane	BRL	ug/L	1.0	0.14	1	8260B	2/19/16 16:41	KDM	P6B0384
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 16:41	KDM	P6B0384
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	2/19/16 16:41	KDM	P6B0384
Bromomethane	BRL	ug/L	3.0	0.18	1	8260B	2/19/16 16:41	KDM	P6B0384
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	2/19/16 16:41	KDM	P6B0384
Carbon Tetrachloride	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 16:41	KDM	P6B0384
Chlorobenzene	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 16:41	KDM	P6B0384
Chloroethane	BRL	ug/L	5.0	0.22	1	8260B	2/19/16 16:41	KDM	P6B0384
Chloroform	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 16:41	KDM	P6B0384
Chloromethane	BRL	ug/L	2.0	0.079	1	8260B	2/19/16 16:41	KDM	P6B0384
cis-1,2-Dichloroethylene	BRL	ug/L	1.0	0.056	1	8260B	2/19/16 16:41	KDM	P6B0384
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.079	1	8260B	2/19/16 16:41	KDM	P6B0384

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-2
Prism Sample ID: 6020324-02
Prism Work Order: 6020324
Time Collected: 02/17/16 09:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Cyclohexane	BRL	ug/L	5.0	0.022	1	8260B	2/19/16 16:41	KDM	P6B0384
Dibromochloromethane	BRL	ug/L	1.0	0.081	1	8260B	2/19/16 16:41	KDM	P6B0384
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 16:41	KDM	P6B0384
Ethylbenzene	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 16:41	KDM	P6B0384
Isopropylbenzene (Cumene)	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 16:41	KDM	P6B0384
m,p-Xylenes	BRL	ug/L	2.0	0.12	1	8260B	2/19/16 16:41	KDM	P6B0384
Methyl Acetate	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 16:41	KDM	P6B0384
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	2/19/16 16:41	KDM	P6B0384
Methylcyclohexane	BRL	ug/L	5.0	0.076	1	8260B	2/19/16 16:41	KDM	P6B0384
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 16:41	KDM	P6B0384
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	2/19/16 16:41	KDM	P6B0384
Methylene Chloride	BRL	ug/L	2.0	0.083	1	8260B	2/19/16 16:41	KDM	P6B0384
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	8260B	2/19/16 16:41	KDM	P6B0384
o-Xylene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 16:41	KDM	P6B0384
Styrene	BRL	ug/L	1.0	0.047	1	8260B	2/19/16 16:41	KDM	P6B0384
Tetrachloroethylene	BRL	ug/L	1.0	0.098	1	8260B	2/19/16 16:41	KDM	P6B0384
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	2/19/16 16:41	KDM	P6B0384
Toluene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 16:41	KDM	P6B0384
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.094	1	8260B	2/19/16 16:41	KDM	P6B0384
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.070	1	8260B	2/19/16 16:41	KDM	P6B0384
Trichloroethylene	BRL	ug/L	2.0	0.078	1	8260B	2/19/16 16:41	KDM	P6B0384
Trichlorofluoromethane	BRL	ug/L	2.0	0.062	1	8260B	2/19/16 16:41	KDM	P6B0384
Vinyl chloride	BRL	ug/L	2.0	0.097	1	8260B	2/19/16 16:41	KDM	P6B0384
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8260B	2/19/16 16:41	KDM	P6B0384

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*97 %*	*80-124*
Dibromofluoromethane	*92 %*	*75-129*
Toluene-d8	*93 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	0.52	1	8260B SIM	3/1/16 23:40	ANG	P6C0017

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-3
Prism Sample ID: 6020324-03
Prism Work Order: 6020324
Time Collected: 02/17/16 08:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Nitrate as N	**0.70**	**mg/L**	**0.10**	**0.018**	**1**	**9056A**	**2/18/16 17:53**	**CDE**	**P6B0356**
Sulfate	**12**	**mg/L**	**1.0**	**0.24**	**1**	**9056A**	**2/18/16 17:53**	**CDE**	**P6B0356**
General Chemistry Parameters									
Ammonia as N	BRL	mg/L	0.10	0.034	1	SM4500-NH3 G	2/25/16 11:11	CLB	P6B0444
Semivolatile Organic Compounds by GC/MS									
1,1'-Biphenyl	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:58	JMV	P6B0416
2,3,4,6-Tetrachlorophenol	BRL	ug/L	10	2.8	1	8270D	2/23/16 18:58	JMV	P6B0416
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:58	JMV	P6B0416
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	2/23/16 18:58	JMV	P6B0416
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:58	JMV	P6B0416
2,4-Dimethylphenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:58	JMV	P6B0416
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	2/23/16 18:58	JMV	P6B0416
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:58	JMV	P6B0416
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:58	JMV	P6B0416
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	2/23/16 18:58	JMV	P6B0416
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:58	JMV	P6B0416
2-Methylnaphthalene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:58	JMV	P6B0416
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	2/23/16 18:58	JMV	P6B0416
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:58	JMV	P6B0416
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:58	JMV	P6B0416
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:58	JMV	P6B0416
3/4-Methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:58	JMV	P6B0416
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	2/23/16 18:58	JMV	P6B0416
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:58	JMV	P6B0416
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:58	JMV	P6B0416
4-Chloro-3-methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:58	JMV	P6B0416
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:58	JMV	P6B0416
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:58	JMV	P6B0416
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:58	JMV	P6B0416
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	2/23/16 18:58	JMV	P6B0416
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:58	JMV	P6B0416
Acenaphthylene	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:58	JMV	P6B0416
Acetophenone	BRL	ug/L	10	2.9	1	8270D	2/23/16 18:58	JMV	P6B0416
Anthracene	BRL	ug/L	10	3.0	1	8270D	2/23/16 18:58	JMV	P6B0416
Atrazine	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:58	JMV	P6B0416
Benzaldehyde	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:58	JMV	P6B0416
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:58	JMV	P6B0416
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:58	JMV	P6B0416
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	2/23/16 18:58	JMV	P6B0416
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:58	JMV	P6B0416
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:58	JMV	P6B0416

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-3
Prism Sample ID: 6020324-03
Prism Work Order: 6020324
Time Collected: 02/17/16 08:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:58	JMV	P6B0416
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:58	JMV	P6B0416
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:58	JMV	P6B0416
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:58	JMV	P6B0416
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:58	JMV	P6B0416
Caprolactam	BRL	ug/L	10	0.90	1	8270D	2/23/16 18:58	JMV	P6B0416
Carbazole	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:58	JMV	P6B0416
Chrysene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:58	JMV	P6B0416
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:58	JMV	P6B0416
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	2/23/16 18:58	JMV	P6B0416
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:58	JMV	P6B0416
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:58	JMV	P6B0416
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 18:58	JMV	P6B0416
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	2/23/16 18:58	JMV	P6B0416
Fluoranthene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:58	JMV	P6B0416
Fluorene	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:58	JMV	P6B0416
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	2/23/16 18:58	JMV	P6B0416
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	2/23/16 18:58	JMV	P6B0416
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:58	JMV	P6B0416
Hexachloroethane	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:58	JMV	P6B0416
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	2/23/16 18:58	JMV	P6B0416
Isophorone	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:58	JMV	P6B0416
Naphthalene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:58	JMV	P6B0416
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	2/23/16 18:58	JMV	P6B0416
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:58	JMV	P6B0416
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:58	JMV	P6B0416
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	2/23/16 18:58	JMV	P6B0416
Phenanthrene	BRL	ug/L	10	1.8	1	8270D	2/23/16 18:58	JMV	P6B0416
Phenol	BRL	ug/L	10	1.2	1	8270D	2/23/16 18:58	JMV	P6B0416
Pyrene	BRL	ug/L	10	2.2	1	8270D	2/23/16 18:58	JMV	P6B0416
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8270D	2/23/16 18:58	JMV	P6B0416

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*71 %*	*43-140*
2-Fluorobiphenyl	*58 %*	*44-119*
2-Fluorophenol	*33 %*	*19-119*
Nitrobenzene-d5	*60 %*	*44-120*
Phenol-d5	*21 %*	*11-52*
Terphenyl-d14	*82 %*	*50-134*

Total Metals

Mercury	BRL	mg/L	0.00020	0.000030	1	7470A	2/19/16 12:20	JAB	P6B0360
Antimony	**0.082 J**	**ug/L**	**1.0**	**0.069**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Arsenic	**0.88 J**	**ug/L**	**1.0**	**0.29**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-3
Prism Sample ID: 6020324-03
Prism Work Order: 6020324
Time Collected: 02/17/16 08:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Beryllium	**0.075 J**	**ug/L**	**1.0**	**0.047**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Cadmium	**0.064 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Chromium	**2.1 J, B**	**ug/L**	**3.0**	**0.51**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Copper	**2.5 J**	**ug/L**	**5.0**	**0.44**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Iron	**1400**	**ug/L**	**100**	**16**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Lead	**0.88 J**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Manganese	**27**	**ug/L**	**5.0**	**1.2**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Nickel	**2.1**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Selenium	BRL	ug/L	1.0	0.35	1	6020A	3/2/16 17:07	gmart	P6B0437
Silver	**0.067 J**	**ug/L**	**1.0**	**0.011**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Thallium	**0.081 J**	**ug/L**	**1.0**	**0.0093**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Zinc	**7.8 J**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**3/2/16 17:07**	**gmart**	**P6B0437**
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 17:07	KDM	P6B0384
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.036	1	8260B	2/19/16 17:07	KDM	P6B0384
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	ug/L	5.0	0.079	1	8260B	2/19/16 17:07	KDM	P6B0384
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 17:07	KDM	P6B0384
1,1-Dichloroethane	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 17:07	KDM	P6B0384
1,1-Dichloroethylene	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 17:07	KDM	P6B0384
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	2/19/16 17:07	KDM	P6B0384
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	2/19/16 17:07	KDM	P6B0384
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	2/19/16 17:07	KDM	P6B0384
1,2-Dibromoethane	BRL	ug/L	1.0	0.051	1	8260B	2/19/16 17:07	KDM	P6B0384
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 17:07	KDM	P6B0384
1,2-Dichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 17:07	KDM	P6B0384
1,2-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	2/19/16 17:07	KDM	P6B0384
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 17:07	KDM	P6B0384
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.050	1	8260B	2/19/16 17:07	KDM	P6B0384
Acetone	BRL	ug/L	10	0.31	1	8260B	2/19/16 17:07	KDM	P6B0384
Benzene	BRL	ug/L	1.0	0.048	1	8260B	2/19/16 17:07	KDM	P6B0384
Bromochloromethane	BRL	ug/L	1.0	0.14	1	8260B	2/19/16 17:07	KDM	P6B0384
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 17:07	KDM	P6B0384
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	2/19/16 17:07	KDM	P6B0384
Bromomethane	BRL	ug/L	3.0	0.18	1	8260B	2/19/16 17:07	KDM	P6B0384
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	2/19/16 17:07	KDM	P6B0384
Carbon Tetrachloride	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 17:07	KDM	P6B0384
Chlorobenzene	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 17:07	KDM	P6B0384
Chloroethane	BRL	ug/L	5.0	0.22	1	8260B	2/19/16 17:07	KDM	P6B0384
Chloroform	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 17:07	KDM	P6B0384
Chloromethane	BRL	ug/L	2.0	0.079	1	8260B	2/19/16 17:07	KDM	P6B0384
cis-1,2-Dichloroethylene	BRL	ug/L	1.0	0.056	1	8260B	2/19/16 17:07	KDM	P6B0384
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.079	1	8260B	2/19/16 17:07	KDM	P6B0384

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-3
Prism Sample ID: 6020324-03
Prism Work Order: 6020324
Time Collected: 02/17/16 08:50
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Cyclohexane	BRL	ug/L	5.0	0.022	1	8260B	2/19/16 17:07	KDM	P6B0384
Dibromochloromethane	BRL	ug/L	1.0	0.081	1	8260B	2/19/16 17:07	KDM	P6B0384
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 17:07	KDM	P6B0384
Ethylbenzene	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 17:07	KDM	P6B0384
Isopropylbenzene (Cumene)	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 17:07	KDM	P6B0384
m,p-Xylenes	BRL	ug/L	2.0	0.12	1	8260B	2/19/16 17:07	KDM	P6B0384
Methyl Acetate	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 17:07	KDM	P6B0384
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	2/19/16 17:07	KDM	P6B0384
Methylcyclohexane	BRL	ug/L	5.0	0.076	1	8260B	2/19/16 17:07	KDM	P6B0384
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 17:07	KDM	P6B0384
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	2/19/16 17:07	KDM	P6B0384
Methylene Chloride	BRL	ug/L	2.0	0.083	1	8260B	2/19/16 17:07	KDM	P6B0384
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	8260B	2/19/16 17:07	KDM	P6B0384
o-Xylene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 17:07	KDM	P6B0384
Styrene	BRL	ug/L	1.0	0.047	1	8260B	2/19/16 17:07	KDM	P6B0384
Tetrachloroethylene	BRL	ug/L	1.0	0.098	1	8260B	2/19/16 17:07	KDM	P6B0384
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	2/19/16 17:07	KDM	P6B0384
Toluene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 17:07	KDM	P6B0384
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.094	1	8260B	2/19/16 17:07	KDM	P6B0384
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.070	1	8260B	2/19/16 17:07	KDM	P6B0384
Trichloroethylene	BRL	ug/L	2.0	0.078	1	8260B	2/19/16 17:07	KDM	P6B0384
Trichlorofluoromethane	BRL	ug/L	2.0	0.062	1	8260B	2/19/16 17:07	KDM	P6B0384
Vinyl chloride	BRL	ug/L	2.0	0.097	1	8260B	2/19/16 17:07	KDM	P6B0384
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8260B	2/19/16 17:07	KDM	P6B0384

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*97 %*	*80-124*
Dibromofluoromethane	*92 %*	*75-129*
Toluene-d8	*94 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	0.52	1	8260B SIM	3/2/16 0:13	ANG	P6C0017

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-4
Prism Sample ID: 6020324-04
Prism Work Order: 6020324
Time Collected: 02/17/16 08:15
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Nitrate as N	**0.41**	**mg/L**	**0.10**	**0.018**	**1**	**9056A**	**2/18/16 18:09**	**CDE**	**P6B0356**
Sulfate	**5.2**	**mg/L**	**1.0**	**0.24**	**1**	**9056A**	**2/18/16 18:09**	**CDE**	**P6B0356**
General Chemistry Parameters									
Ammonia as N	BRL	mg/L	0.10	0.034	1	SM4500-NH3 G	2/25/16 11:11	CLB	P6B0444
Semivolatile Organic Compounds by GC/MS									
1,1'-Biphenyl	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:20	JMV	P6B0416
2,3,4,6-Tetrachlorophenol	BRL	ug/L	10	2.8	1	8270D	2/23/16 19:20	JMV	P6B0416
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 19:20	JMV	P6B0416
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	2/23/16 19:20	JMV	P6B0416
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:20	JMV	P6B0416
2,4-Dimethylphenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 19:20	JMV	P6B0416
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	2/23/16 19:20	JMV	P6B0416
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	2/23/16 19:20	JMV	P6B0416
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:20	JMV	P6B0416
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	2/23/16 19:20	JMV	P6B0416
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:20	JMV	P6B0416
2-Methylnaphthalene	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:20	JMV	P6B0416
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	2/23/16 19:20	JMV	P6B0416
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:20	JMV	P6B0416
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:20	JMV	P6B0416
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:20	JMV	P6B0416
3/4-Methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 19:20	JMV	P6B0416
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	2/23/16 19:20	JMV	P6B0416
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:20	JMV	P6B0416
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	2/23/16 19:20	JMV	P6B0416
4-Chloro-3-methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 19:20	JMV	P6B0416
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	2/23/16 19:20	JMV	P6B0416
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:20	JMV	P6B0416
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:20	JMV	P6B0416
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	2/23/16 19:20	JMV	P6B0416
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:20	JMV	P6B0416
Acenaphthylene	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:20	JMV	P6B0416
Acetophenone	BRL	ug/L	10	2.9	1	8270D	2/23/16 19:20	JMV	P6B0416
Anthracene	BRL	ug/L	10	3.0	1	8270D	2/23/16 19:20	JMV	P6B0416
Atrazine	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:20	JMV	P6B0416
Benzaldehyde	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:20	JMV	P6B0416
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:20	JMV	P6B0416
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:20	JMV	P6B0416
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	2/23/16 19:20	JMV	P6B0416
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	2/23/16 19:20	JMV	P6B0416
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:20	JMV	P6B0416

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-4
Prism Sample ID: 6020324-04
Prism Work Order: 6020324
Time Collected: 02/17/16 08:15
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:20	JMV	P6B0416
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:20	JMV	P6B0416
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:20	JMV	P6B0416
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:20	JMV	P6B0416
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:20	JMV	P6B0416
Caprolactam	BRL	ug/L	10	0.90	1	8270D	2/23/16 19:20	JMV	P6B0416
Carbazole	BRL	ug/L	10	2.3	1	8270D	2/23/16 19:20	JMV	P6B0416
Chrysene	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:20	JMV	P6B0416
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:20	JMV	P6B0416
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	2/23/16 19:20	JMV	P6B0416
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	2/23/16 19:20	JMV	P6B0416
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:20	JMV	P6B0416
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:20	JMV	P6B0416
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	2/23/16 19:20	JMV	P6B0416
Fluoranthene	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:20	JMV	P6B0416
Fluorene	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:20	JMV	P6B0416
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	2/23/16 19:20	JMV	P6B0416
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	2/23/16 19:20	JMV	P6B0416
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:20	JMV	P6B0416
Hexachloroethane	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:20	JMV	P6B0416
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	2/23/16 19:20	JMV	P6B0416
Isophorone	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:20	JMV	P6B0416
Naphthalene	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:20	JMV	P6B0416
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:20	JMV	P6B0416
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:20	JMV	P6B0416
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	2/23/16 19:20	JMV	P6B0416
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:20	JMV	P6B0416
Phenanthrene	BRL	ug/L	10	1.8	1	8270D	2/23/16 19:20	JMV	P6B0416
Phenol	BRL	ug/L	10	1.2	1	8270D	2/23/16 19:20	JMV	P6B0416
Pyrene	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:20	JMV	P6B0416
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8270D	2/23/16 19:20	JMV	P6B0416

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*70 %*	*43-140*
2-Fluorobiphenyl	*61 %*	*44-119*
2-Fluorophenol	*37 %*	*19-119*
Nitrobenzene-d5	*62 %*	*44-120*
Phenol-d5	*24 %*	*11-52*
Terphenyl-d14	*80 %*	*50-134*

Total Metals

Mercury	**0.000076 J**	**mg/L**	**0.00020**	**0.000030**	**1**	**7470A**	**2/19/16 12:24**	**JAB**	**P6B0360**
Antimony	**0.083 J**	**ug/L**	**1.0**	**0.069**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Arsenic	**0.75 J**	**ug/L**	**1.0**	**0.29**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-4
Prism Sample ID: 6020324-04
Prism Work Order: 6020324
Time Collected: 02/17/16 08:15
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Beryllium	**0.049 J**	**ug/L**	**1.0**	**0.047**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Cadmium	**0.041 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Chromium	**1.8 J, B**	**ug/L**	**3.0**	**0.51**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Copper	**1.5 J**	**ug/L**	**5.0**	**0.44**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Iron	**1000**	**ug/L**	**100**	**16**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Lead	**0.73 J**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Manganese	**19**	**ug/L**	**5.0**	**1.2**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Nickel	**0.98 J**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Selenium	BRL	ug/L	1.0	0.35	1	6020A	3/2/16 17:10	gmart	P6B0437
Silver	**0.044 J**	**ug/L**	**1.0**	**0.011**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Thallium	**0.070 J**	**ug/L**	**1.0**	**0.0093**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Zinc	**7.3 J**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**3/2/16 17:10**	**gmart**	**P6B0437**
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 17:32	KDM	P6B0384
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.036	1	8260B	2/19/16 17:32	KDM	P6B0384
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	ug/L	5.0	0.079	1	8260B	2/19/16 17:32	KDM	P6B0384
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 17:32	KDM	P6B0384
1,1-Dichloroethane	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 17:32	KDM	P6B0384
1,1-Dichloroethylene	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 17:32	KDM	P6B0384
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	2/19/16 17:32	KDM	P6B0384
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	2/19/16 17:32	KDM	P6B0384
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	2/19/16 17:32	KDM	P6B0384
1,2-Dibromoethane	BRL	ug/L	1.0	0.051	1	8260B	2/19/16 17:32	KDM	P6B0384
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 17:32	KDM	P6B0384
1,2-Dichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 17:32	KDM	P6B0384
1,2-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	2/19/16 17:32	KDM	P6B0384
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 17:32	KDM	P6B0384
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.050	1	8260B	2/19/16 17:32	KDM	P6B0384
Acetone	BRL	ug/L	10	0.31	1	8260B	2/19/16 17:32	KDM	P6B0384
Benzene	BRL	ug/L	1.0	0.048	1	8260B	2/19/16 17:32	KDM	P6B0384
Bromochloromethane	BRL	ug/L	1.0	0.14	1	8260B	2/19/16 17:32	KDM	P6B0384
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 17:32	KDM	P6B0384
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	2/19/16 17:32	KDM	P6B0384
Bromomethane	BRL	ug/L	3.0	0.18	1	8260B	2/19/16 17:32	KDM	P6B0384
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	2/19/16 17:32	KDM	P6B0384
Carbon Tetrachloride	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 17:32	KDM	P6B0384
Chlorobenzene	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 17:32	KDM	P6B0384
Chloroethane	BRL	ug/L	5.0	0.22	1	8260B	2/19/16 17:32	KDM	P6B0384
Chloroform	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 17:32	KDM	P6B0384
Chloromethane	BRL	ug/L	2.0	0.079	1	8260B	2/19/16 17:32	KDM	P6B0384
cis-1,2-Dichloroethylene	BRL	ug/L	1.0	0.056	1	8260B	2/19/16 17:32	KDM	P6B0384
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.079	1	8260B	2/19/16 17:32	KDM	P6B0384

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: SW-4
Prism Sample ID: 6020324-04
Prism Work Order: 6020324
Time Collected: 02/17/16 08:15
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Cyclohexane	BRL	ug/L	5.0	0.022	1	8260B	2/19/16 17:32	KDM	P6B0384
Dibromochloromethane	BRL	ug/L	1.0	0.081	1	8260B	2/19/16 17:32	KDM	P6B0384
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 17:32	KDM	P6B0384
Ethylbenzene	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 17:32	KDM	P6B0384
Isopropylbenzene (Cumene)	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 17:32	KDM	P6B0384
m,p-Xylenes	BRL	ug/L	2.0	0.12	1	8260B	2/19/16 17:32	KDM	P6B0384
Methyl Acetate	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 17:32	KDM	P6B0384
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	2/19/16 17:32	KDM	P6B0384
Methylcyclohexane	BRL	ug/L	5.0	0.076	1	8260B	2/19/16 17:32	KDM	P6B0384
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 17:32	KDM	P6B0384
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	2/19/16 17:32	KDM	P6B0384
Methylene Chloride	BRL	ug/L	2.0	0.083	1	8260B	2/19/16 17:32	KDM	P6B0384
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	8260B	2/19/16 17:32	KDM	P6B0384
o-Xylene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 17:32	KDM	P6B0384
Styrene	BRL	ug/L	1.0	0.047	1	8260B	2/19/16 17:32	KDM	P6B0384
Tetrachloroethylene	BRL	ug/L	1.0	0.098	1	8260B	2/19/16 17:32	KDM	P6B0384
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	2/19/16 17:32	KDM	P6B0384
Toluene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 17:32	KDM	P6B0384
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.094	1	8260B	2/19/16 17:32	KDM	P6B0384
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.070	1	8260B	2/19/16 17:32	KDM	P6B0384
Trichloroethylene	BRL	ug/L	2.0	0.078	1	8260B	2/19/16 17:32	KDM	P6B0384
Trichlorofluoromethane	BRL	ug/L	2.0	0.062	1	8260B	2/19/16 17:32	KDM	P6B0384
Vinyl chloride	BRL	ug/L	2.0	0.097	1	8260B	2/19/16 17:32	KDM	P6B0384
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8260B	2/19/16 17:32	KDM	P6B0384

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*100 %*	*80-124*
Dibromofluoromethane	*89 %*	*75-129*
Toluene-d8	*92 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	0.52	1	8260B SIM	3/2/16 0:45	ANG	P6C0017

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: Rinsate Blank
Prism Sample ID: 6020324-05
Prism Work Order: 6020324
Time Collected: 02/17/16 10:45
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Nitrate as N	BRL	mg/L	0.10	0.018	1	9056A	2/18/16 18:26	CDE	P6B0356
Sulfate	BRL	mg/L	1.0	0.24	1	9056A	2/18/16 18:26	CDE	P6B0356
General Chemistry Parameters									
Ammonia as N	BRL	mg/L	0.10	0.034	1	SM4500-NH3 G	2/25/16 11:11	CLB	P6B0444
Semivolatile Organic Compounds by GC/MS									
1,1'-Biphenyl	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:43	JMV	P6B0416
2,3,4,6-Tetrachlorophenol	BRL	ug/L	10	2.8	1	8270D	2/23/16 19:43	JMV	P6B0416
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 19:43	JMV	P6B0416
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	2/23/16 19:43	JMV	P6B0416
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:43	JMV	P6B0416
2,4-Dimethylphenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 19:43	JMV	P6B0416
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	2/23/16 19:43	JMV	P6B0416
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	2/23/16 19:43	JMV	P6B0416
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:43	JMV	P6B0416
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	2/23/16 19:43	JMV	P6B0416
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:43	JMV	P6B0416
2-Methylnaphthalene	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:43	JMV	P6B0416
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	2/23/16 19:43	JMV	P6B0416
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:43	JMV	P6B0416
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:43	JMV	P6B0416
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:43	JMV	P6B0416
3/4-Methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 19:43	JMV	P6B0416
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	2/23/16 19:43	JMV	P6B0416
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:43	JMV	P6B0416
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	2/23/16 19:43	JMV	P6B0416
4-Chloro-3-methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 19:43	JMV	P6B0416
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	2/23/16 19:43	JMV	P6B0416
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:43	JMV	P6B0416
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:43	JMV	P6B0416
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	2/23/16 19:43	JMV	P6B0416
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:43	JMV	P6B0416
Acenaphthylene	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:43	JMV	P6B0416
Acetophenone	BRL	ug/L	10	2.9	1	8270D	2/23/16 19:43	JMV	P6B0416
Anthracene	BRL	ug/L	10	3.0	1	8270D	2/23/16 19:43	JMV	P6B0416
Atrazine	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:43	JMV	P6B0416
Benzaldehyde	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:43	JMV	P6B0416
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:43	JMV	P6B0416
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:43	JMV	P6B0416
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	2/23/16 19:43	JMV	P6B0416
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	2/23/16 19:43	JMV	P6B0416
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:43	JMV	P6B0416
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:43	JMV	P6B0416

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: Rinsate Blank
Prism Sample ID: 6020324-05
Prism Work Order: 6020324
Time Collected: 02/17/16 10:45
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:43	JMV	P6B0416
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:43	JMV	P6B0416
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:43	JMV	P6B0416
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:43	JMV	P6B0416
Caprolactam	BRL	ug/L	10	0.90	1	8270D	2/23/16 19:43	JMV	P6B0416
Carbazole	BRL	ug/L	10	2.3	1	8270D	2/23/16 19:43	JMV	P6B0416
Chrysene	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:43	JMV	P6B0416
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:43	JMV	P6B0416
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	2/23/16 19:43	JMV	P6B0416
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	2/23/16 19:43	JMV	P6B0416
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:43	JMV	P6B0416
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 19:43	JMV	P6B0416
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	2/23/16 19:43	JMV	P6B0416
Fluoranthene	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:43	JMV	P6B0416
Fluorene	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:43	JMV	P6B0416
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	2/23/16 19:43	JMV	P6B0416
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	2/23/16 19:43	JMV	P6B0416
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:43	JMV	P6B0416
Hexachloroethane	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:43	JMV	P6B0416
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	2/23/16 19:43	JMV	P6B0416
Isophorone	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:43	JMV	P6B0416
Naphthalene	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:43	JMV	P6B0416
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	2/23/16 19:43	JMV	P6B0416
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:43	JMV	P6B0416
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	2/23/16 19:43	JMV	P6B0416
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	2/23/16 19:43	JMV	P6B0416
Phenanthrene	BRL	ug/L	10	1.8	1	8270D	2/23/16 19:43	JMV	P6B0416
Phenol	BRL	ug/L	10	1.2	1	8270D	2/23/16 19:43	JMV	P6B0416
Pyrene	BRL	ug/L	10	2.2	1	8270D	2/23/16 19:43	JMV	P6B0416
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8270D	2/23/16 19:43	JMV	P6B0416

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*68 %*	*43-140*
2-Fluorobiphenyl	*64 %*	*44-119*
2-Fluorophenol	*36 %*	*19-119*
Nitrobenzene-d5	*66 %*	*44-120*
Phenol-d5	*23 %*	*11-52*
Terphenyl-d14	*79 %*	*50-134*

Total Metals

Mercury	BRL	mg/L	0.00020	0.000030	1	7470A	2/19/16 12:28	JAB	P6B0360
Antimony	BRL	ug/L	1.0	0.069	1	6020A	3/2/16 17:14	gmart	P6B0437
Arsenic	BRL	ug/L	1.0	0.29	1	6020A	3/2/16 17:14	gmart	P6B0437
Beryllium	BRL	ug/L	1.0	0.047	1	6020A	3/2/16 17:14	gmart	P6B0437

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: Rinsate Blank
Prism Sample ID: 6020324-05
Prism Work Order: 6020324
Time Collected: 02/17/16 10:45
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Cadmium	**0.039 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**3/2/16 17:14**	**gmart**	**P6B0437**
Chromium	**1.3 J, B**	**ug/L**	**3.0**	**0.51**	**1**	**6020A**	**3/2/16 17:14**	**gmart**	**P6B0437**
Copper	BRL	ug/L	5.0	0.44	1	6020A	3/2/16 17:14	gmart	P6B0437
Iron	**270**	**ug/L**	**100**	**16**	**1**	**6020A**	**3/2/16 17:14**	**gmart**	**P6B0437**
Lead	**0.48 J**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**3/2/16 17:14**	**gmart**	**P6B0437**
Manganese	**4.2 J**	**ug/L**	**5.0**	**1.2**	**1**	**6020A**	**3/2/16 17:14**	**gmart**	**P6B0437**
Nickel	**1.0 J**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**3/2/16 17:14**	**gmart**	**P6B0437**
Selenium	BRL	ug/L	1.0	0.35	1	6020A	3/2/16 17:14	gmart	P6B0437
Silver	**0.025 J**	**ug/L**	**1.0**	**0.011**	**1**	**6020A**	**3/2/16 17:14**	**gmart**	**P6B0437**
Thallium	**0.050 J**	**ug/L**	**1.0**	**0.0093**	**1**	**6020A**	**3/2/16 17:14**	**gmart**	**P6B0437**
Zinc	**3.2 J**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**3/2/16 17:14**	**gmart**	**P6B0437**
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 15:50	KDM	P6B0384
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.036	1	8260B	2/19/16 15:50	KDM	P6B0384
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	ug/L	5.0	0.079	1	8260B	2/19/16 15:50	KDM	P6B0384
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 15:50	KDM	P6B0384
1,1-Dichloroethane	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 15:50	KDM	P6B0384
1,1-Dichloroethylene	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 15:50	KDM	P6B0384
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	2/19/16 15:50	KDM	P6B0384
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	2/19/16 15:50	KDM	P6B0384
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	2/19/16 15:50	KDM	P6B0384
1,2-Dibromoethane	BRL	ug/L	1.0	0.051	1	8260B	2/19/16 15:50	KDM	P6B0384
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 15:50	KDM	P6B0384
1,2-Dichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 15:50	KDM	P6B0384
1,2-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	2/19/16 15:50	KDM	P6B0384
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 15:50	KDM	P6B0384
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.050	1	8260B	2/19/16 15:50	KDM	P6B0384
Acetone	BRL	ug/L	10	0.31	1	8260B	2/19/16 15:50	KDM	P6B0384
Benzene	BRL	ug/L	1.0	0.048	1	8260B	2/19/16 15:50	KDM	P6B0384
Bromochloromethane	BRL	ug/L	1.0	0.14	1	8260B	2/19/16 15:50	KDM	P6B0384
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 15:50	KDM	P6B0384
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	2/19/16 15:50	KDM	P6B0384
Bromomethane	BRL	ug/L	3.0	0.18	1	8260B	2/19/16 15:50	KDM	P6B0384
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	2/19/16 15:50	KDM	P6B0384
Carbon Tetrachloride	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 15:50	KDM	P6B0384
Chlorobenzene	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 15:50	KDM	P6B0384
Chloroethane	BRL	ug/L	5.0	0.22	1	8260B	2/19/16 15:50	KDM	P6B0384
Chloroform	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 15:50	KDM	P6B0384
Chloromethane	BRL	ug/L	2.0	0.079	1	8260B	2/19/16 15:50	KDM	P6B0384
cis-1,2-Dichloroethylene	BRL	ug/L	1.0	0.056	1	8260B	2/19/16 15:50	KDM	P6B0384
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.079	1	8260B	2/19/16 15:50	KDM	P6B0384
Cyclohexane	BRL	ug/L	5.0	0.022	1	8260B	2/19/16 15:50	KDM	P6B0384
Dibromochloromethane	BRL	ug/L	1.0	0.081	1	8260B	2/19/16 15:50	KDM	P6B0384

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: Rinsate Blank
Prism Sample ID: 6020324-05
Prism Work Order: 6020324
Time Collected: 02/17/16 10:45
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 15:50	KDM	P6B0384
Ethylbenzene	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 15:50	KDM	P6B0384
Isopropylbenzene (Cumene)	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 15:50	KDM	P6B0384
m,p-Xylenes	BRL	ug/L	2.0	0.12	1	8260B	2/19/16 15:50	KDM	P6B0384
Methyl Acetate	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 15:50	KDM	P6B0384
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	2/19/16 15:50	KDM	P6B0384
Methylcyclohexane	BRL	ug/L	5.0	0.076	1	8260B	2/19/16 15:50	KDM	P6B0384
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 15:50	KDM	P6B0384
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	2/19/16 15:50	KDM	P6B0384
Methylene Chloride	BRL	ug/L	2.0	0.083	1	8260B	2/19/16 15:50	KDM	P6B0384
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	8260B	2/19/16 15:50	KDM	P6B0384
o-Xylene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 15:50	KDM	P6B0384
Styrene	BRL	ug/L	1.0	0.047	1	8260B	2/19/16 15:50	KDM	P6B0384
Tetrachloroethylene	BRL	ug/L	1.0	0.098	1	8260B	2/19/16 15:50	KDM	P6B0384
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	2/19/16 15:50	KDM	P6B0384
Toluene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 15:50	KDM	P6B0384
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.094	1	8260B	2/19/16 15:50	KDM	P6B0384
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.070	1	8260B	2/19/16 15:50	KDM	P6B0384
Trichloroethylene	BRL	ug/L	2.0	0.078	1	8260B	2/19/16 15:50	KDM	P6B0384
Trichlorofluoromethane	BRL	ug/L	2.0	0.062	1	8260B	2/19/16 15:50	KDM	P6B0384
Vinyl chloride	BRL	ug/L	2.0	0.097	1	8260B	2/19/16 15:50	KDM	P6B0384
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8260B	2/19/16 15:50	KDM	P6B0384

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*98 %*	*80-124*
Dibromofluoromethane	*92 %*	*75-129*
Toluene-d8	*94 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	0.52	1	8260B SIM	3/2/16 1:18	ANG	P6C0017

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 6020324-06
Prism Work Order: 6020324
Time Collected: 02/17/16 00:00
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 15:24	KDM	P6B0384
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.036	1	8260B	2/19/16 15:24	KDM	P6B0384
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	ug/L	5.0	0.079	1	8260B	2/19/16 15:24	KDM	P6B0384
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 15:24	KDM	P6B0384
1,1-Dichloroethane	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 15:24	KDM	P6B0384
1,1-Dichloroethylene	BRL	ug/L	1.0	0.083	1	8260B	2/19/16 15:24	KDM	P6B0384
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	2/19/16 15:24	KDM	P6B0384
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	2/19/16 15:24	KDM	P6B0384
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	2/19/16 15:24	KDM	P6B0384
1,2-Dibromoethane	BRL	ug/L	1.0	0.051	1	8260B	2/19/16 15:24	KDM	P6B0384
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 15:24	KDM	P6B0384
1,2-Dichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/19/16 15:24	KDM	P6B0384
1,2-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	2/19/16 15:24	KDM	P6B0384
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 15:24	KDM	P6B0384
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.050	1	8260B	2/19/16 15:24	KDM	P6B0384
Acetone	BRL	ug/L	10	0.31	1	8260B	2/19/16 15:24	KDM	P6B0384
Benzene	BRL	ug/L	1.0	0.048	1	8260B	2/19/16 15:24	KDM	P6B0384
Bromochloromethane	BRL	ug/L	1.0	0.14	1	8260B	2/19/16 15:24	KDM	P6B0384
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 15:24	KDM	P6B0384
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	2/19/16 15:24	KDM	P6B0384
Bromomethane	BRL	ug/L	3.0	0.18	1	8260B	2/19/16 15:24	KDM	P6B0384
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	2/19/16 15:24	KDM	P6B0384
Carbon Tetrachloride	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 15:24	KDM	P6B0384
Chlorobenzene	BRL	ug/L	1.0	0.062	1	8260B	2/19/16 15:24	KDM	P6B0384
Chloroethane	BRL	ug/L	5.0	0.22	1	8260B	2/19/16 15:24	KDM	P6B0384
Chloroform	BRL	ug/L	1.0	0.076	1	8260B	2/19/16 15:24	KDM	P6B0384
Chloromethane	BRL	ug/L	2.0	0.079	1	8260B	2/19/16 15:24	KDM	P6B0384
cis-1,2-Dichloroethylene	BRL	ug/L	1.0	0.056	1	8260B	2/19/16 15:24	KDM	P6B0384
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.079	1	8260B	2/19/16 15:24	KDM	P6B0384
Cyclohexane	BRL	ug/L	5.0	0.022	1	8260B	2/19/16 15:24	KDM	P6B0384
Dibromochloromethane	BRL	ug/L	1.0	0.081	1	8260B	2/19/16 15:24	KDM	P6B0384
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	2/19/16 15:24	KDM	P6B0384
Ethylbenzene	BRL	ug/L	1.0	0.061	1	8260B	2/19/16 15:24	KDM	P6B0384
Isopropylbenzene (Cumene)	BRL	ug/L	1.0	0.054	1	8260B	2/19/16 15:24	KDM	P6B0384
m,p-Xylenes	BRL	ug/L	2.0	0.12	1	8260B	2/19/16 15:24	KDM	P6B0384
Methyl Acetate	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 15:24	KDM	P6B0384
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	2/19/16 15:24	KDM	P6B0384
Methylcyclohexane	BRL	ug/L	5.0	0.076	1	8260B	2/19/16 15:24	KDM	P6B0384
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	2/19/16 15:24	KDM	P6B0384
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	2/19/16 15:24	KDM	P6B0384
Methylene Chloride	BRL	ug/L	2.0	0.083	1	8260B	2/19/16 15:24	KDM	P6B0384
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	8260B	2/19/16 15:24	KDM	P6B0384

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 6020324-06
Prism Work Order: 6020324
Time Collected: 02/17/16 00:00
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
o-Xylene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 15:24	KDM	P6B0384
Styrene	BRL	ug/L	1.0	0.047	1	8260B	2/19/16 15:24	KDM	P6B0384
Tetrachloroethylene	BRL	ug/L	1.0	0.098	1	8260B	2/19/16 15:24	KDM	P6B0384
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	2/19/16 15:24	KDM	P6B0384
Toluene	BRL	ug/L	1.0	0.044	1	8260B	2/19/16 15:24	KDM	P6B0384
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.094	1	8260B	2/19/16 15:24	KDM	P6B0384
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.070	1	8260B	2/19/16 15:24	KDM	P6B0384
Trichloroethylene	BRL	ug/L	2.0	0.078	1	8260B	2/19/16 15:24	KDM	P6B0384
Trichlorofluoromethane	BRL	ug/L	2.0	0.062	1	8260B	2/19/16 15:24	KDM	P6B0384
Vinyl chloride	BRL	ug/L	2.0	0.097	1	8260B	2/19/16 15:24	KDM	P6B0384
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8260B	2/19/16 15:24	KDM	P6B0384

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*100 %*	*80-124*
Dibromofluoromethane	*90 %*	*75-129*
Toluene-d8	*95 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	0.52	1	8260B SIM	3/2/16 1:50	ANG	P6C0017

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: Dup
Prism Sample ID: 6020324-07
Prism Work Order: 6020324
Time Collected: 02/17/16 08:30
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Nitrate as N	**0.37**	**mg/L**	**0.10**	**0.018**	**1**	**9056A**	**2/18/16 18:43**	**CDE**	**P6B0356**
Sulfate	**4.7**	**mg/L**	**1.0**	**0.24**	**1**	**9056A**	**2/18/16 18:43**	**CDE**	**P6B0356**
General Chemistry Parameters									
Ammonia as N	BRL	mg/L	0.10	0.034	1	SM4500-NH3 G	2/25/16 11:11	CLB	P6B0444
Semivolatile Organic Compounds by GC/MS									
1,1'-Biphenyl	BRL	ug/L	10	2.4	1	8270D	2/23/16 20:05	JMV	P6B0416
2,3,4,6-Tetrachlorophenol	BRL	ug/L	10	2.8	1	8270D	2/23/16 20:05	JMV	P6B0416
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 20:05	JMV	P6B0416
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	2/23/16 20:05	JMV	P6B0416
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 20:05	JMV	P6B0416
2,4-Dimethylphenol	BRL	ug/L	10	2.3	1	8270D	2/23/16 20:05	JMV	P6B0416
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	2/23/16 20:05	JMV	P6B0416
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	2/23/16 20:05	JMV	P6B0416
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	2/23/16 20:05	JMV	P6B0416
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	2/23/16 20:05	JMV	P6B0416
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 20:05	JMV	P6B0416
2-Methylnaphthalene	BRL	ug/L	10	2.2	1	8270D	2/23/16 20:05	JMV	P6B0416
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	2/23/16 20:05	JMV	P6B0416
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	2/23/16 20:05	JMV	P6B0416
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 20:05	JMV	P6B0416
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	2/23/16 20:05	JMV	P6B0416
3/4-Methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 20:05	JMV	P6B0416
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	2/23/16 20:05	JMV	P6B0416
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	2/23/16 20:05	JMV	P6B0416
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	2/23/16 20:05	JMV	P6B0416
4-Chloro-3-methylphenol	BRL	ug/L	10	1.9	1	8270D	2/23/16 20:05	JMV	P6B0416
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	2/23/16 20:05	JMV	P6B0416
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	2/23/16 20:05	JMV	P6B0416
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	2/23/16 20:05	JMV	P6B0416
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	2/23/16 20:05	JMV	P6B0416
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	2/23/16 20:05	JMV	P6B0416
Acenaphthylene	BRL	ug/L	10	2.5	1	8270D	2/23/16 20:05	JMV	P6B0416
Acetophenone	BRL	ug/L	10	2.9	1	8270D	2/23/16 20:05	JMV	P6B0416
Anthracene	BRL	ug/L	10	3.0	1	8270D	2/23/16 20:05	JMV	P6B0416
Atrazine	BRL	ug/L	10	2.4	1	8270D	2/23/16 20:05	JMV	P6B0416
Benzaldehyde	BRL	ug/L	10	2.0	1	8270D	2/23/16 20:05	JMV	P6B0416
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 20:05	JMV	P6B0416
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	2/23/16 20:05	JMV	P6B0416
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	2/23/16 20:05	JMV	P6B0416
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	2/23/16 20:05	JMV	P6B0416
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	2/23/16 20:05	JMV	P6B0416

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: Dup
Prism Sample ID: 6020324-07
Prism Work Order: 6020324
Time Collected: 02/17/16 08:30
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	2/23/16 20:05	JMV	P6B0416
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	2/23/16 20:05	JMV	P6B0416
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	2/23/16 20:05	JMV	P6B0416
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 20:05	JMV	P6B0416
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 20:05	JMV	P6B0416
Caprolactam	BRL	ug/L	10	0.90	1	8270D	2/23/16 20:05	JMV	P6B0416
Carbazole	BRL	ug/L	10	2.3	1	8270D	2/23/16 20:05	JMV	P6B0416
Chrysene	BRL	ug/L	10	2.2	1	8270D	2/23/16 20:05	JMV	P6B0416
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	2/23/16 20:05	JMV	P6B0416
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	2/23/16 20:05	JMV	P6B0416
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	2/23/16 20:05	JMV	P6B0416
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 20:05	JMV	P6B0416
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	2/23/16 20:05	JMV	P6B0416
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	2/23/16 20:05	JMV	P6B0416
Fluoranthene	BRL	ug/L	10	2.2	1	8270D	2/23/16 20:05	JMV	P6B0416
Fluorene	BRL	ug/L	10	2.5	1	8270D	2/23/16 20:05	JMV	P6B0416
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	2/23/16 20:05	JMV	P6B0416
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	2/23/16 20:05	JMV	P6B0416
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	2/23/16 20:05	JMV	P6B0416
Hexachloroethane	BRL	ug/L	10	2.5	1	8270D	2/23/16 20:05	JMV	P6B0416
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	2/23/16 20:05	JMV	P6B0416
Isophorone	BRL	ug/L	10	2.5	1	8270D	2/23/16 20:05	JMV	P6B0416
Naphthalene	BRL	ug/L	10	2.4	1	8270D	2/23/16 20:05	JMV	P6B0416
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	2/23/16 20:05	JMV	P6B0416
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	2/23/16 20:05	JMV	P6B0416
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	2/23/16 20:05	JMV	P6B0416
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	2/23/16 20:05	JMV	P6B0416
Phenanthrene	BRL	ug/L	10	1.8	1	8270D	2/23/16 20:05	JMV	P6B0416
Phenol	BRL	ug/L	10	1.2	1	8270D	2/23/16 20:05	JMV	P6B0416
Pyrene	BRL	ug/L	10	2.2	1	8270D	2/23/16 20:05	JMV	P6B0416
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8270D	2/23/16 20:05	JMV	P6B0416

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*85 %*	*43-140*
2-Fluorobiphenyl	*76 %*	*44-119*
2-Fluorophenol	*47 %*	*19-119*
Nitrobenzene-d5	*79 %*	*44-120*
Phenol-d5	*30 %*	*11-52*
Terphenyl-d14	*95 %*	*50-134*

Total Metals

Mercury	BRL	mg/L	0.00020	0.000030	1	7470A	2/19/16 12:31	JAB	P6B0360
Antimony	BRL	ug/L	1.0	0.069	1	6020A	3/2/16 17:18	gmart	P6B0437
Arsenic	**0.54 J**	**ug/L**	**1.0**	**0.29**	**1**	**6020A**	**3/2/16 17:18**	**gmart**	**P6B0437**

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: Dup
Prism Sample ID: 6020324-07
Prism Work Order: 6020324
Time Collected: 02/17/16 08:30
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Beryllium	BRL	ug/L	1.0	0.047	1	6020A	3/2/16 17:18	gmart	P6B0437
Cadmium	**0.035 J**	**ug/L**	**1.0**	**0.019**	**1**	**6020A**	**3/2/16 17:18**	**gmart**	**P6B0437**
Chromium	**2.3 J, B**	**ug/L**	**3.0**	**0.51**	**1**	**6020A**	**3/2/16 17:18**	**gmart**	**P6B0437**
Copper	**1.4 J**	**ug/L**	**5.0**	**0.44**	**1**	**6020A**	**3/2/16 17:18**	**gmart**	**P6B0437**
Iron	**980**	**ug/L**	**100**	**16**	**1**	**6020A**	**3/2/16 17:18**	**gmart**	**P6B0437**
Lead	**0.63 J**	**ug/L**	**1.0**	**0.020**	**1**	**6020A**	**3/2/16 17:18**	**gmart**	**P6B0437**
Manganese	**16**	**ug/L**	**5.0**	**1.2**	**1**	**6020A**	**3/2/16 17:18**	**gmart**	**P6B0437**
Nickel	**1.1 J**	**ug/L**	**2.0**	**0.053**	**1**	**6020A**	**3/2/16 17:18**	**gmart**	**P6B0437**
Selenium	BRL	ug/L	1.0	0.35	1	6020A	3/2/16 17:18	gmart	P6B0437
Silver	**0.024 J**	**ug/L**	**1.0**	**0.011**	**1**	**6020A**	**3/2/16 17:18**	**gmart**	**P6B0437**
Thallium	**0.055 J**	**ug/L**	**1.0**	**0.0093**	**1**	**6020A**	**3/2/16 17:18**	**gmart**	**P6B0437**
Zinc	**6.1 J**	**ug/L**	**10**	**0.98**	**1**	**6020A**	**3/2/16 17:18**	**gmart**	**P6B0437**
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.061	1	8260B	2/22/16 16:27	KDM	P6B0407
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.036	1	8260B	2/22/16 16:27	KDM	P6B0407
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	ug/L	5.0	0.079	1	8260B	2/22/16 16:27	KDM	P6B0407
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/22/16 16:27	KDM	P6B0407
1,1-Dichloroethane	BRL	ug/L	1.0	0.083	1	8260B	2/22/16 16:27	KDM	P6B0407
1,1-Dichloroethylene	BRL	ug/L	1.0	0.083	1	8260B	2/22/16 16:27	KDM	P6B0407
1,2,3-Trichlorobenzene	BRL CVL	ug/L	2.0	0.40	1	8260B	2/22/16 16:27	KDM	P6B0407
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	2/22/16 16:27	KDM	P6B0407
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	2/22/16 16:27	KDM	P6B0407
1,2-Dibromoethane	BRL	ug/L	1.0	0.051	1	8260B	2/22/16 16:27	KDM	P6B0407
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	2/22/16 16:27	KDM	P6B0407
1,2-Dichloroethane	BRL	ug/L	1.0	0.066	1	8260B	2/22/16 16:27	KDM	P6B0407
1,2-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	2/22/16 16:27	KDM	P6B0407
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.054	1	8260B	2/22/16 16:27	KDM	P6B0407
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.050	1	8260B	2/22/16 16:27	KDM	P6B0407
Acetone	BRL	ug/L	10	0.31	1	8260B	2/22/16 16:27	KDM	P6B0407
Benzene	BRL	ug/L	1.0	0.048	1	8260B	2/22/16 16:27	KDM	P6B0407
Bromochloromethane	BRL	ug/L	1.0	0.14	1	8260B	2/22/16 16:27	KDM	P6B0407
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	8260B	2/22/16 16:27	KDM	P6B0407
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	2/22/16 16:27	KDM	P6B0407
Bromomethane	BRL	ug/L	3.0	0.18	1	8260B	2/22/16 16:27	KDM	P6B0407
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	2/22/16 16:27	KDM	P6B0407
Carbon Tetrachloride	BRL	ug/L	2.0	0.11	1	8260B	2/22/16 16:27	KDM	P6B0407
Chlorobenzene	BRL	ug/L	1.0	0.062	1	8260B	2/22/16 16:27	KDM	P6B0407
Chloroethane	BRL	ug/L	5.0	0.22	1	8260B	2/22/16 16:27	KDM	P6B0407
Chloroform	BRL	ug/L	1.0	0.076	1	8260B	2/22/16 16:27	KDM	P6B0407
Chloromethane	BRL	ug/L	2.0	0.079	1	8260B	2/22/16 16:27	KDM	P6B0407
cis-1,2-Dichloroethylene	BRL	ug/L	1.0	0.056	1	8260B	2/22/16 16:27	KDM	P6B0407
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.079	1	8260B	2/22/16 16:27	KDM	P6B0407
Cyclohexane	BRL	ug/L	5.0	0.022	1	8260B	2/22/16 16:27	KDM	P6B0407

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Sample Matrix: Water

Client Sample ID: Dup
Prism Sample ID: 6020324-07
Prism Work Order: 6020324
Time Collected: 02/17/16 08:30
Time Submitted: 02/18/16 08:35

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	1.0	0.081	1	8260B	2/22/16 16:27	KDM	P6B0407
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	2/22/16 16:27	KDM	P6B0407
Ethylbenzene	BRL	ug/L	1.0	0.061	1	8260B	2/22/16 16:27	KDM	P6B0407
Isopropylbenzene (Cumene)	BRL	ug/L	1.0	0.054	1	8260B	2/22/16 16:27	KDM	P6B0407
m,p-Xylenes	BRL	ug/L	2.0	0.12	1	8260B	2/22/16 16:27	KDM	P6B0407
Methyl Acetate	BRL	ug/L	5.0	0.24	1	8260B	2/22/16 16:27	KDM	P6B0407
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	2/22/16 16:27	KDM	P6B0407
Methylcyclohexane	BRL	ug/L	5.0	0.076	1	8260B	2/22/16 16:27	KDM	P6B0407
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	2/22/16 16:27	KDM	P6B0407
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	2/22/16 16:27	KDM	P6B0407
Methylene Chloride	BRL	ug/L	2.0	0.083	1	8260B	2/22/16 16:27	KDM	P6B0407
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.042	1	8260B	2/22/16 16:27	KDM	P6B0407
o-Xylene	BRL	ug/L	1.0	0.044	1	8260B	2/22/16 16:27	KDM	P6B0407
Styrene	BRL	ug/L	1.0	0.047	1	8260B	2/22/16 16:27	KDM	P6B0407
Tetrachloroethylene	BRL	ug/L	1.0	0.098	1	8260B	2/22/16 16:27	KDM	P6B0407
Tetrahydrofuran	BRL	ug/L	10	0.16	1	8260B	2/22/16 16:27	KDM	P6B0407
Toluene	BRL	ug/L	1.0	0.044	1	8260B	2/22/16 16:27	KDM	P6B0407
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.094	1	8260B	2/22/16 16:27	KDM	P6B0407
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.070	1	8260B	2/22/16 16:27	KDM	P6B0407
Trichloroethylene	BRL	ug/L	2.0	0.078	1	8260B	2/22/16 16:27	KDM	P6B0407
Trichlorofluoromethane	BRL	ug/L	2.0	0.062	1	8260B	2/22/16 16:27	KDM	P6B0407
Vinyl chloride	BRL	ug/L	2.0	0.097	1	8260B	2/22/16 16:27	KDM	P6B0407
TIC: Tentatively Identified Compounds	Not Detected	ug/L			1	8260B	2/22/16 16:27	KDM	P6B0407

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*97 %*	*80-124*
Dibromofluoromethane	*92 %*	*75-129*
Toluene-d8	*92 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	0.52	1	8260B SIM	3/2/16 2:23	ANG	P6C0017

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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

CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0384 - 5030B										
Blank (P6B0384-BLK1)				Prepared & Analyzed: 02/19/16						
1,1,1-Trichloroethane	BRL	1.0	ug/L							
1,1,2,2-Tetrachloroethane	BRL	1.0	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	5.0	ug/L							
1,1,2-Trichloroethane	BRL	1.0	ug/L							
1,1-Dichloroethane	BRL	1.0	ug/L							
1,1-Dichloroethylene	BRL	1.0	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	1.0	ug/L							
1,2-Dichlorobenzene	BRL	1.0	ug/L							
1,2-Dichloroethane	BRL	1.0	ug/L							
1,2-Dichloropropane	BRL	1.0	ug/L							
1,3-Dichlorobenzene	BRL	1.0	ug/L							
1,4-Dichlorobenzene	BRL	1.0	ug/L							
1,4-Dioxane	BRL	150	ug/L							
Acetone	BRL	10	ug/L							
Benzene	BRL	1.0	ug/L							
Bromochloromethane	BRL	1.0	ug/L							
Bromodichloromethane	BRL	1.0	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	3.0	ug/L							
Carbon disulfide	BRL	5.0	ug/L							
Carbon Tetrachloride	BRL	2.0	ug/L							
Chlorobenzene	BRL	1.0	ug/L							
Chloroethane	BRL	5.0	ug/L							
Chloroform	BRL	1.0	ug/L							
Chloromethane	BRL	2.0	ug/L							
cis-1,2-Dichloroethylene	BRL	1.0	ug/L							
cis-1,3-Dichloropropylene	BRL	1.0	ug/L							
Cyclohexane	BRL	5.0	ug/L							
Dibromochloromethane	BRL	1.0	ug/L							
Dichlorodifluoromethane	BRL	2.0	ug/L							
Ethylbenzene	BRL	1.0	ug/L							
Isopropylbenzene (Cumene)	BRL	1.0	ug/L							
m,p-Xylenes	BRL	2.0	ug/L							
Methyl Acetate	BRL	5.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methylcyclohexane	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	2.0	ug/L							
Methyl-tert-Butyl Ether	BRL	1.0	ug/L							
o-Xylene	BRL	1.0	ug/L							
Styrene	BRL	1.0	ug/L							
Tetrachloroethylene	BRL	1.0	ug/L							

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Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0384 - 5030B										
Blank (P6B0384-BLK1)				Prepared & Analyzed: 02/19/16						
Tetrahydrofuran	BRL	10	ug/L							
Toluene	BRL	1.0	ug/L							
trans-1,2-Dichloroethylene	BRL	2.0	ug/L							
trans-1,3-Dichloropropylene	BRL	1.0	ug/L							
Trichloroethylene	BRL	2.0	ug/L							
Trichlorofluoromethane	BRL	2.0	ug/L							
Vinyl chloride	BRL	2.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*43.9*		*ug/L*	*50.00*		*88*	*80-124*			
Surrogate: Dibromofluoromethane	*45.2*		*ug/L*	*50.00*		*90*	*75-129*			
Surrogate: Toluene-d8	*46.3*		*ug/L*	*50.00*		*93*	*77-123*			
LCS (P6B0384-BS1)				Prepared & Analyzed: 02/19/16						
1,1,1-Trichloroethane	22.1	1.0	ug/L	20.00		110	75-136			
1,1,2,2-Tetrachloroethane	18.1	1.0	ug/L	20.00		91	62-127			
1,1,2-Trichloro-1,2,2-trifluoroethane	19.4	5.0	ug/L	20.00		97	70-130			
1,1,2-Trichloroethane	19.8	1.0	ug/L	20.00		99	70-140			
1,1-Dichloroethane	21.1	1.0	ug/L	20.00		105	78-130			
1,1-Dichloroethylene	21.2	1.0	ug/L	20.00		106	70-154			
1,2,3-Trichlorobenzene	15.7	2.0	ug/L	20.00		79	58-144			
1,2,4-Trichlorobenzene	18.2	1.0	ug/L	20.00		91	66-139			
1,2-Dibromo-3-chloropropane	17.8	2.0	ug/L	20.00		89	63-134			
1,2-Dibromoethane	19.9	1.0	ug/L	20.00		100	77-135			
1,2-Dichlorobenzene	18.7	1.0	ug/L	20.00		93	78-128			
1,2-Dichloroethane	22.6	1.0	ug/L	20.00		113	68-131			
1,2-Dichloropropane	20.8	1.0	ug/L	20.00		104	77-130			
1,3-Dichlorobenzene	18.4	1.0	ug/L	20.00		92	77-125			
1,4-Dichlorobenzene	18.5	1.0	ug/L	20.00		92	75-126			
1,4-Dioxane	207	150	ug/L	200.0		104	70-130			
Acetone	43.4	10	ug/L	40.00		109	40-166			
Benzene	20.3	1.0	ug/L	20.00		102	77-128			
Bromochloromethane	21.4	1.0	ug/L	20.00		107	78-135			
Bromodichloromethane	20.2	1.0	ug/L	20.00		101	76-138			
Bromoform	19.3	1.0	ug/L	20.00		97	71-135			
Bromomethane	13.9	3.0	ug/L	20.00		69	41-168			
Carbon disulfide	18.9	5.0	ug/L	20.00		95	59-135			
Carbon Tetrachloride	19.5	2.0	ug/L	20.00		98	72-142			
Chlorobenzene	19.7	1.0	ug/L	20.00		99	78-119			
Chloroethane	17.8	5.0	ug/L	20.00		89	57-142			
Chloroform	20.2	1.0	ug/L	20.00		101	77-130			
Chloromethane	19.3	2.0	ug/L	20.00		97	47-145			
cis-1,2-Dichloroethylene	21.2	1.0	ug/L	20.00		106	76-141			
cis-1,3-Dichloropropylene	20.4	1.0	ug/L	20.00		102	65-140			
Cyclohexane	19.7	5.0	ug/L	20.00		98	70-130			
Dibromochloromethane	20.1	1.0	ug/L	20.00		101	75-134			
Dichlorodifluoromethane	17.6	2.0	ug/L	20.00		88	28-163			
Ethylbenzene	19.4	1.0	ug/L	20.00		97	80-127			
Isopropylbenzene (Cumene)	18.3	1.0	ug/L	20.00		92	70-130			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0384 - 5030B										
LCS (P6B0384-BS1)				Prepared & Analyzed: 02/19/16						
m,p-Xylenes	38.5	2.0	ug/L	40.00		96	77-133			
Methyl Acetate	18.5	5.0	ug/L	20.00		92	70-130			
Methyl Butyl Ketone (2-Hexanone)	22.1	5.0	ug/L	20.00		110	64-137			
Methylcyclohexane	18.5	5.0	ug/L	20.00		92	70-130			
Methyl Ethyl Ketone (2-Butanone)	18.9	5.0	ug/L	20.00		94	71-134			
Methyl Isobutyl Ketone	22.4	5.0	ug/L	20.00		112	69-134			
Methylene Chloride	22.6	2.0	ug/L	20.00		113	73-131			
Methyl-tert-Butyl Ether	21.8	1.0	ug/L	20.00		109	68-135			
o-Xylene	19.2	1.0	ug/L	20.00		96	78-128			
Styrene	19.1	1.0	ug/L	20.00		96	78-129			
Tetrachloroethylene	20.6	1.0	ug/L	20.00		103	80-129			
Tetrahydrofuran	21.8	10	ug/L	20.00		109	70-130			
Toluene	19.9	1.0	ug/L	20.00		99	76-131			
trans-1,2-Dichloroethylene	22.2	2.0	ug/L	20.00		111	76-135			
trans-1,3-Dichloropropylene	20.4	1.0	ug/L	20.00		102	67-140			
Trichloroethylene	21.1	2.0	ug/L	20.00		106	77-133			
Trichlorofluoromethane	19.8	2.0	ug/L	20.00		99	62-148			
Vinyl chloride	21.2	2.0	ug/L	20.00		106	57-141			
Surrogate: 4-Bromofluorobenzene	*49.0*		*ug/L*	*50.00*		*98*	*80-124*			
Surrogate: Dibromofluoromethane	*45.0*		*ug/L*	*50.00*		*90*	*75-129*			
Surrogate: Toluene-d8	*47.0*		*ug/L*	*50.00*		*94*	*77-123*			
LCS Dup (P6B0384-BSD1)				Prepared & Analyzed: 02/19/16						
1,1,1-Trichloroethane	21.5	1.0	ug/L	20.00		108	75-136	2	20	
1,1,2,2-Tetrachloroethane	19.8	1.0	ug/L	20.00		99	62-127	9	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	19.0	5.0	ug/L	20.00		95	70-130	2	20	
1,1,2-Trichloroethane	20.2	1.0	ug/L	20.00		101	70-140	2	20	
1,1-Dichloroethane	21.2	1.0	ug/L	20.00		106	78-130	0.7	20	
1,1-Dichloroethylene	21.5	1.0	ug/L	20.00		107	70-154	1	20	
1,2,3-Trichlorobenzene	16.3	2.0	ug/L	20.00		81	58-144	4	20	
1,2,4-Trichlorobenzene	17.5	1.0	ug/L	20.00		87	66-139	4	20	
1,2-Dibromo-3-chloropropane	18.3	2.0	ug/L	20.00		91	63-134	3	20	
1,2-Dibromoethane	20.2	1.0	ug/L	20.00		101	77-135	1	20	
1,2-Dichlorobenzene	18.8	1.0	ug/L	20.00		94	78-128	0.5	20	
1,2-Dichloroethane	22.4	1.0	ug/L	20.00		112	68-131	0.8	20	
1,2-Dichloropropane	20.2	1.0	ug/L	20.00		101	77-130	3	20	
1,3-Dichlorobenzene	17.4	1.0	ug/L	20.00		87	77-125	6	20	
1,4-Dichlorobenzene	17.7	1.0	ug/L	20.00		88	75-126	5	20	
1,4-Dioxane	270	150	ug/L	200.0		135	70-130	27	20	D, L2
Acetone	47.8	10	ug/L	40.00		120	40-166	10	20	
Benzene	20.0	1.0	ug/L	20.00		100	77-128	2	20	
Bromochloromethane	21.8	1.0	ug/L	20.00		109	78-135	2	20	
Bromodichloromethane	20.2	1.0	ug/L	20.00		101	76-138	0.1	20	
Bromoform	19.6	1.0	ug/L	20.00		98	71-135	2	20	
Bromomethane	14.1	3.0	ug/L	20.00		71	41-168	2	20	
Carbon disulfide	18.4	5.0	ug/L	20.00		92	59-135	3	20	
Carbon Tetrachloride	19.4	2.0	ug/L	20.00		97	72-142	0.9	20	

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0384 - 5030B										
LCS Dup (P6B0384-BSD1)				Prepared & Analyzed: 02/19/16						
Chlorobenzene	19.9	1.0	ug/L	20.00		99	78-119	0.8	20	
Chloroethane	17.0	5.0	ug/L	20.00		85	57-142	5	20	
Chloroform	19.9	1.0	ug/L	20.00		100	77-130	1	20	
Chloromethane	18.9	2.0	ug/L	20.00		94	47-145	2	20	
cis-1,2-Dichloroethylene	20.8	1.0	ug/L	20.00		104	76-141	2	20	
cis-1,3-Dichloropropylene	20.1	1.0	ug/L	20.00		101	65-140	2	20	
Cyclohexane	18.7	5.0	ug/L	20.00		94	70-130	5	20	
Dibromochloromethane	20.8	1.0	ug/L	20.00		104	75-134	3	20	
Dichlorodifluoromethane	17.3	2.0	ug/L	20.00		86	28-163	2	20	
Ethylbenzene	19.4	1.0	ug/L	20.00		97	80-127	0.4	20	
Isopropylbenzene (Cumene)	18.5	1.0	ug/L	20.00		93	70-130	1	20	
m,p-Xylenes	38.6	2.0	ug/L	40.00		97	77-133	0.2	20	
Methyl Acetate	20.0	5.0	ug/L	20.00		100	70-130	8	20	
Methyl Butyl Ketone (2-Hexanone)	23.4	5.0	ug/L	20.00		117	64-137	6	20	
Methylcyclohexane	18.0	5.0	ug/L	20.00		90	70-130	3	20	
Methyl Ethyl Ketone (2-Butanone)	18.8	5.0	ug/L	20.00		94	71-134	0.5	20	
Methyl Isobutyl Ketone	23.6	5.0	ug/L	20.00		118	69-134	5	20	
Methylene Chloride	22.6	2.0	ug/L	20.00		113	73-131	0.09	20	
Methyl-tert-Butyl Ether	22.3	1.0	ug/L	20.00		112	68-135	3	20	
o-Xylene	19.4	1.0	ug/L	20.00		97	78-128	1	20	
Styrene	19.3	1.0	ug/L	20.00		96	78-129	0.8	20	
Tetrachloroethylene	20.7	1.0	ug/L	20.00		103	80-129	0.4	20	
Tetrahydrofuran	20.2	10	ug/L	20.00		101	70-130	7	20	
Toluene	19.3	1.0	ug/L	20.00		97	76-131	3	20	
trans-1,2-Dichloroethylene	21.3	2.0	ug/L	20.00		106	76-135	4	20	
trans-1,3-Dichloropropylene	20.1	1.0	ug/L	20.00		100	67-140	1	20	
Trichloroethylene	20.6	2.0	ug/L	20.00		103	77-133	3	20	
Trichlorofluoromethane	18.8	2.0	ug/L	20.00		94	62-148	5	20	
Vinyl chloride	20.2	2.0	ug/L	20.00		101	57-141	5	20	
Surrogate: 4-Bromofluorobenzene	*47.3*		*ug/L*	*50.00*		*95*	*80-124*			
Surrogate: Dibromofluoromethane	*44.7*		*ug/L*	*50.00*		*89*	*75-129*			
Surrogate: Toluene-d8	*47.4*		*ug/L*	*50.00*		*95*	*77-123*			

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Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0407 - 5030B										
Blank (P6B0407-BLK1)				Prepared & Analyzed: 02/22/16						
1,1,1-Trichloroethane	BRL	1.0	ug/L							
1,1,2,2-Tetrachloroethane	BRL	1.0	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane	BRL	5.0	ug/L							
1,1,2-Trichloroethane	BRL	1.0	ug/L							
1,1-Dichloroethane	BRL	1.0	ug/L							
1,1-Dichloroethylene	BRL	1.0	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	1.0	ug/L							
1,2-Dichlorobenzene	BRL	1.0	ug/L							
1,2-Dichloroethane	BRL	1.0	ug/L							
1,2-Dichloropropane	BRL	1.0	ug/L							
1,3-Dichlorobenzene	BRL	1.0	ug/L							
1,4-Dichlorobenzene	BRL	1.0	ug/L							
1,4-Dioxane	BRL	150	ug/L							
Acetone	BRL	10	ug/L							
Benzene	BRL	1.0	ug/L							
Bromochloromethane	BRL	1.0	ug/L							
Bromodichloromethane	BRL	1.0	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	3.0	ug/L							
Carbon disulfide	BRL	5.0	ug/L							
Carbon Tetrachloride	BRL	2.0	ug/L							
Chlorobenzene	BRL	1.0	ug/L							
Chloroethane	BRL	5.0	ug/L							
Chloroform	BRL	1.0	ug/L							
Chloromethane	BRL	2.0	ug/L							
cis-1,2-Dichloroethylene	BRL	1.0	ug/L							
cis-1,3-Dichloropropylene	BRL	1.0	ug/L							
Cyclohexane	BRL	5.0	ug/L							
Dibromochloromethane	BRL	1.0	ug/L							
Dichlorodifluoromethane	BRL	2.0	ug/L							
Ethylbenzene	BRL	1.0	ug/L							
Isopropylbenzene (Cumene)	BRL	1.0	ug/L							
m,p-Xylenes	BRL	2.0	ug/L							
Methyl Acetate	BRL	5.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methylcyclohexane	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	2.0	ug/L							
Methyl-tert-Butyl Ether	BRL	1.0	ug/L							
o-Xylene	BRL	1.0	ug/L							
Styrene	BRL	1.0	ug/L							
Tetrachloroethylene	BRL	1.0	ug/L							

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Time Submitted: 2/18/2016 8:35:00AM

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 P6B0407 - 5030B										
Blank (P6B0407-BLK1)				Prepared & Analyzed: 02/22/16						
Tetrahydrofuran	BRL	10	ug/L							
Toluene	BRL	1.0	ug/L							
trans-1,2-Dichloroethylene	BRL	2.0	ug/L							
trans-1,3-Dichloropropylene	BRL	1.0	ug/L							
Trichloroethylene	BRL	2.0	ug/L							
Trichlorofluoromethane	BRL	2.0	ug/L							
Vinyl chloride	BRL	2.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*49.2*		*ug/L*	*50.00*		*98*	*80-124*			
Surrogate: Dibromofluoromethane	*43.6*		*ug/L*	*50.00*		*87*	*75-129*			
Surrogate: Toluene-d8	*45.5*		*ug/L*	*50.00*		*91*	*77-123*			
LCS (P6B0407-BS1)				Prepared & Analyzed: 02/22/16						
1,1,1-Trichloroethane	21.6	1.0	ug/L	20.00		108	75-136			
1,1,2,2-Tetrachloroethane	17.5	1.0	ug/L	20.00		87	62-127			
1,1,2-Trichloro-1,2,2-trifluoroethane	18.3	5.0	ug/L	20.00		92	70-130			
1,1,2-Trichloroethane	20.0	1.0	ug/L	20.00		100	70-140			
1,1-Dichloroethane	20.8	1.0	ug/L	20.00		104	78-130			
1,1-Dichloroethylene	19.0	1.0	ug/L	20.00		95	70-154			
1,2,3-Trichlorobenzene	13.0	2.0	ug/L	20.00		65	58-144			
1,2,4-Trichlorobenzene	15.4	1.0	ug/L	20.00		77	66-139			
1,2-Dibromo-3-chloropropane	18.2	2.0	ug/L	20.00		91	63-134			
1,2-Dibromoethane	20.5	1.0	ug/L	20.00		102	77-135			
1,2-Dichlorobenzene	17.9	1.0	ug/L	20.00		89	78-128			
1,2-Dichloroethane	22.4	1.0	ug/L	20.00		112	68-131			
1,2-Dichloropropane	20.8	1.0	ug/L	20.00		104	77-130			
1,3-Dichlorobenzene	17.5	1.0	ug/L	20.00		88	77-125			
1,4-Dichlorobenzene	17.8	1.0	ug/L	20.00		89	75-126			
1,4-Dioxane	324	150	ug/L	200.0		162	70-130			LH
Acetone	49.8	10	ug/L	40.00		124	40-166			
Benzene	19.6	1.0	ug/L	20.00		98	77-128			
Bromochloromethane	21.5	1.0	ug/L	20.00		107	78-135			
Bromodichloromethane	20.8	1.0	ug/L	20.00		104	76-138			
Bromoform	20.3	1.0	ug/L	20.00		101	71-135			
Bromomethane	15.3	3.0	ug/L	20.00		77	41-168			
Carbon disulfide	17.8	5.0	ug/L	20.00		89	59-135			
Carbon Tetrachloride	19.4	2.0	ug/L	20.00		97	72-142			
Chlorobenzene	19.8	1.0	ug/L	20.00		99	78-119			
Chloroethane	17.6	5.0	ug/L	20.00		88	57-142			
Chloroform	20.2	1.0	ug/L	20.00		101	77-130			
Chloromethane	20.6	2.0	ug/L	20.00		103	47-145			
cis-1,2-Dichloroethylene	21.2	1.0	ug/L	20.00		106	76-141			
cis-1,3-Dichloropropylene	20.4	1.0	ug/L	20.00		102	65-140			
Cyclohexane	19.4	5.0	ug/L	20.00		97	70-130			
Dibromochloromethane	21.0	1.0	ug/L	20.00		105	75-134			
Dichlorodifluoromethane	20.8	2.0	ug/L	20.00		104	28-163			
Ethylbenzene	19.5	1.0	ug/L	20.00		97	80-127			
Isopropylbenzene (Cumene)	17.7	1.0	ug/L	20.00		89	70-130			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0407 - 5030B										
LCS (P6B0407-BS1)				Prepared & Analyzed: 02/22/16						
m,p-Xylenes	39.1	2.0	ug/L	40.00		98	77-133			
Methyl Acetate	20.3	5.0	ug/L	20.00		102	70-130			
Methyl Butyl Ketone (2-Hexanone)	24.1	5.0	ug/L	20.00		120	64-137			
Methylcyclohexane	18.5	5.0	ug/L	20.00		92	70-130			
Methyl Ethyl Ketone (2-Butanone)	18.8	5.0	ug/L	20.00		94	71-134			
Methyl Isobutyl Ketone	23.9	5.0	ug/L	20.00		119	69-134			
Methylene Chloride	22.6	2.0	ug/L	20.00		113	73-131			
Methyl-tert-Butyl Ether	22.2	1.0	ug/L	20.00		111	68-135			
o-Xylene	19.6	1.0	ug/L	20.00		98	78-128			
Styrene	19.5	1.0	ug/L	20.00		98	78-129			
Tetrachloroethylene	20.9	1.0	ug/L	20.00		105	80-129			
Tetrahydrofuran	24.1	10	ug/L	20.00		121	70-130			
Toluene	19.7	1.0	ug/L	20.00		98	76-131			
trans-1,2-Dichloroethylene	21.3	2.0	ug/L	20.00		106	76-135			
trans-1,3-Dichloropropylene	20.6	1.0	ug/L	20.00		103	67-140			
Trichloroethylene	21.3	2.0	ug/L	20.00		107	77-133			
Trichlorofluoromethane	20.2	2.0	ug/L	20.00		101	62-148			
Vinyl chloride	22.2	2.0	ug/L	20.00		111	57-141			
Surrogate: 4-Bromofluorobenzene	*46.5*		*ug/L*	*50.00*		*93*	*80-124*			
Surrogate: Dibromofluoromethane	*43.7*		*ug/L*	*50.00*		*87*	*75-129*			
Surrogate: Toluene-d8	*46.7*		*ug/L*	*50.00*		*93*	*77-123*			
LCS Dup (P6B0407-BSD1)				Prepared & Analyzed: 02/22/16						
1,1,1-Trichloroethane	21.1	1.0	ug/L	20.00		106	75-136	2	20	
1,1,2,2-Tetrachloroethane	18.0	1.0	ug/L	20.00		90	62-127	3	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	18.6	5.0	ug/L	20.00		93	70-130	2	20	
1,1,2-Trichloroethane	20.1	1.0	ug/L	20.00		100	70-140	0.4	20	
1,1-Dichloroethane	20.6	1.0	ug/L	20.00		103	78-130	1	20	
1,1-Dichloroethylene	21.4	1.0	ug/L	20.00		107	70-154	12	20	
1,2,3-Trichlorobenzene	15.6	2.0	ug/L	20.00		78	58-144	18	20	
1,2,4-Trichlorobenzene	17.6	1.0	ug/L	20.00		88	66-139	13	20	
1,2-Dibromo-3-chloropropane	17.8	2.0	ug/L	20.00		89	63-134	2	20	
1,2-Dibromoethane	19.9	1.0	ug/L	20.00		99	77-135	3	20	
1,2-Dichlorobenzene	18.3	1.0	ug/L	20.00		92	78-128	2	20	
1,2-Dichloroethane	22.5	1.0	ug/L	20.00		112	68-131	0.2	20	
1,2-Dichloropropane	20.2	1.0	ug/L	20.00		101	77-130	3	20	
1,3-Dichlorobenzene	18.5	1.0	ug/L	20.00		92	77-125	5	20	
1,4-Dichlorobenzene	18.3	1.0	ug/L	20.00		92	75-126	3	20	
1,4-Dioxane	269	150	ug/L	200.0		134	70-130	19	20	LH
Acetone	48.8	10	ug/L	40.00		122	40-166	2	20	
Benzene	19.7	1.0	ug/L	20.00		98	77-128	0.5	20	
Bromochloromethane	21.8	1.0	ug/L	20.00		109	78-135	1	20	
Bromodichloromethane	19.9	1.0	ug/L	20.00		100	76-138	4	20	
Bromoform	19.5	1.0	ug/L	20.00		98	71-135	4	20	
Bromomethane	15.2	3.0	ug/L	20.00		76	41-168	0.5	20	
Carbon disulfide	19.3	5.0	ug/L	20.00		96	59-135	8	20	
Carbon Tetrachloride	19.3	2.0	ug/L	20.00		97	72-142	0.3	20	

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

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 P6B0407 - 5030B										
LCS Dup (P6B0407-BSD1)				Prepared & Analyzed: 02/22/16						
Chlorobenzene	19.6	1.0	ug/L	20.00		98	78-119	0.8	20	
Chloroethane	17.1	5.0	ug/L	20.00		85	57-142	3	20	
Chloroform	19.7	1.0	ug/L	20.00		99	77-130	2	20	
Chloromethane	20.0	2.0	ug/L	20.00		100	47-145	3	20	
cis-1,2-Dichloroethylene	21.0	1.0	ug/L	20.00		105	76-141	0.9	20	
cis-1,3-Dichloropropylene	20.3	1.0	ug/L	20.00		101	65-140	0.7	20	
Cyclohexane	19.1	5.0	ug/L	20.00		96	70-130	2	20	
Dibromochloromethane	20.2	1.0	ug/L	20.00		101	75-134	4	20	
Dichlorodifluoromethane	20.3	2.0	ug/L	20.00		102	28-163	3	20	
Ethylbenzene	19.1	1.0	ug/L	20.00		95	80-127	2	20	
Isopropylbenzene (Cumene)	18.2	1.0	ug/L	20.00		91	70-130	3	20	
m,p-Xylenes	37.9	2.0	ug/L	40.00		95	77-133	3	20	
Methyl Acetate	18.8	5.0	ug/L	20.00		94	70-130	8	20	
Methyl Butyl Ketone (2-Hexanone)	22.8	5.0	ug/L	20.00		114	64-137	5	20	
Methylcyclohexane	18.0	5.0	ug/L	20.00		90	70-130	2	20	
Methyl Ethyl Ketone (2-Butanone)	19.4	5.0	ug/L	20.00		97	71-134	3	20	
Methyl Isobutyl Ketone	22.7	5.0	ug/L	20.00		113	69-134	5	20	
Methylene Chloride	22.1	2.0	ug/L	20.00		111	73-131	2	20	
Methyl-tert-Butyl Ether	21.2	1.0	ug/L	20.00		106	68-135	4	20	
o-Xylene	19.1	1.0	ug/L	20.00		96	78-128	2	20	
Styrene	18.6	1.0	ug/L	20.00		93	78-129	5	20	
Tetrachloroethylene	20.3	1.0	ug/L	20.00		101	80-129	3	20	
Tetrahydrofuran	22.7	10	ug/L	20.00		114	70-130	6	20	
Toluene	19.4	1.0	ug/L	20.00		97	76-131	1	20	
trans-1,2-Dichloroethylene	21.4	2.0	ug/L	20.00		107	76-135	0.6	20	
trans-1,3-Dichloropropylene	20.3	1.0	ug/L	20.00		101	67-140	1	20	
Trichloroethylene	20.8	2.0	ug/L	20.00		104	77-133	3	20	
Trichlorofluoromethane	19.7	2.0	ug/L	20.00		98	62-148	2	20	
Vinyl chloride	21.6	2.0	ug/L	20.00		108	57-141	3	20	
Surrogate: 4-Bromofluorobenzene	*48.0*		*ug/L*	*50.00*		*96*	*80-124*			
Surrogate: Dibromofluoromethane	*44.0*		*ug/L*	*50.00*		*88*	*75-129*			
Surrogate: Toluene-d8	*46.7*		*ug/L*	*50.00*		*93*	*77-123*			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

Volatile Organic Compounds by GC/MS SIM - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6C0017 - 5030B										
Blank (P6C0017-BLK1)				Prepared & Analyzed: 03/01/16						
1,4-Dioxane	BRL	3.0	ug/L							
LCS (P6C0017-BS1)				Prepared & Analyzed: 03/01/16						
1,4-Dioxane	45.7	3.0	ug/L	50.00		91	55-145			
LCS Dup (P6C0017-BSD1)				Prepared & Analyzed: 03/01/16						
1,4-Dioxane	48.7	3.0	ug/L	50.00		97	55-145	6	30	
Matrix Spike (P6C0017-MS1)		**Source: 6020324-01**		Prepared: 03/01/16 Analyzed: 03/02/16						
1,4-Dioxane	45.6	3.0	ug/L	50.00	BRL	91	55-145			
Matrix Spike Dup (P6C0017-MSD1)		**Source: 6020324-01**		Prepared: 03/01/16 Analyzed: 03/02/16						
1,4-Dioxane	44.8	3.0	ug/L	50.00	BRL	90	55-145	2	30	

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Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0416 - 3510C MS										
Blank (P6B0416-BLK1)				Prepared & Analyzed: 02/23/16						
1,1'-Biphenyl	BRL	10	ug/L							
2,3,4,6-Tetrachlorophenol	BRL	10	ug/L							
2,4,5-Trichlorophenol	BRL	10	ug/L							
2,4,6-Trichlorophenol	BRL	10	ug/L							
2,4-Dichlorophenol	BRL	10	ug/L							
2,4-Dimethylphenol	BRL	10	ug/L							
2,4-Dinitrophenol	BRL	10	ug/L							
2,4-Dinitrotoluene	BRL	10	ug/L							
2,6-Dinitrotoluene	BRL	10	ug/L							
2-Chloronaphthalene	BRL	10	ug/L							
2-Chlorophenol	BRL	10	ug/L							
2-Methylnaphthalene	BRL	10	ug/L							
2-Methylphenol	BRL	10	ug/L							
2-Nitroaniline	BRL	10	ug/L							
2-Nitrophenol	BRL	10	ug/L							
3,3'-Dichlorobenzidine	BRL	10	ug/L							
3/4-Methylphenol	BRL	10	ug/L							
3-Nitroaniline	BRL	10	ug/L							
4,6-Dinitro-2-methylphenol	BRL	10	ug/L							
4-Bromophenyl phenyl ether	BRL	10	ug/L							
4-Chloro-3-methylphenol	BRL	10	ug/L							
4-Chloroaniline	BRL	10	ug/L							
4-Chlorophenyl phenyl ether	BRL	10	ug/L							
4-Nitroaniline	BRL	10	ug/L							
4-Nitrophenol	BRL	10	ug/L							
Acenaphthene	BRL	10	ug/L							
Acenaphthylene	BRL	10	ug/L							
Acetophenone	BRL	10	ug/L							
Anthracene	BRL	10	ug/L							
Atrazine	BRL	10	ug/L							
Benzaldehyde	BRL	10	ug/L							
Benzo(a)anthracene	BRL	10	ug/L							
Benzo(a)pyrene	BRL	10	ug/L							
Benzo(b)fluoranthene	BRL	10	ug/L							
Benzo(g,h,i)perylene	BRL	10	ug/L							
Benzo(k)fluoranthene	BRL	10	ug/L							
bis(2-Chloroethoxy)methane	BRL	10	ug/L							
Bis(2-Chloroethyl)ether	BRL	10	ug/L							
Bis(2-chloroisopropyl)ether	BRL	10	ug/L							
Bis(2-Ethylhexyl)phthalate	BRL	10	ug/L							
Butyl benzyl phthalate	BRL	10	ug/L							
Caprolactam	BRL	10	ug/L							
Carbazole	BRL	10	ug/L							
Chrysene	BRL	10	ug/L							
Dibenzo(a,h)anthracene	BRL	10	ug/L							
Dibenzofuran	BRL	10	ug/L							

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Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0416 - 3510C MS										
Blank (P6B0416-BLK1)				Prepared & Analyzed: 02/23/16						
Diethyl phthalate	BRL	10	ug/L							
Dimethyl phthalate	BRL	10	ug/L							
Di-n-butyl phthalate	BRL	10	ug/L							
Di-n-octyl phthalate	BRL	10	ug/L							
Fluoranthene	BRL	10	ug/L							
Fluorene	BRL	10	ug/L							
Hexachlorobenzene	BRL	10	ug/L							
Hexachlorobutadiene	BRL	10	ug/L							
Hexachlorocyclopentadiene	BRL	10	ug/L							
Hexachloroethane	BRL	10	ug/L							
Indeno(1,2,3-cd)pyrene	BRL	10	ug/L							
Isophorone	BRL	10	ug/L							
Naphthalene	BRL	10	ug/L							
Nitrobenzene	BRL	10	ug/L							
N-Nitroso-di-n-propylamine	BRL	10	ug/L							
N-Nitrosodiphenylamine	BRL	10	ug/L							
Pentachlorophenol	BRL	10	ug/L							
Phenanthrene	BRL	10	ug/L							
Phenol	BRL	10	ug/L							
Pyrene	BRL	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*84.9*		*ug/L*	*100.0*		*85*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*37.8*		*ug/L*	*50.00*		*76*	*44-119*			
Surrogate: 2-Fluorophenol	*49.0*		*ug/L*	*100.0*		*49*	*19-119*			
Surrogate: Nitrobenzene-d5	*39.9*		*ug/L*	*50.00*		*80*	*44-120*			
Surrogate: Phenol-d5	*30.5*		*ug/L*	*100.0*		*31*	*11-52*			
Surrogate: Terphenyl-d14	*47.6*		*ug/L*	*50.00*		*95*	*50-134*			
LCS (P6B0416-BS1)				Prepared & Analyzed: 02/23/16						
2,4,5-Trichlorophenol	38.6	10	ug/L	50.00		77	53-123			
2,4,6-Trichlorophenol	35.0	10	ug/L	50.00		70	50-125			
2,4-Dichlorophenol	34.6	10	ug/L	50.00		69	47-121			
2,4-Dimethylphenol	33.8	10	ug/L	50.00		68	31-124			
2,4-Dinitrophenol	27.6	10	ug/L	50.00		55	23-143			
2,4-Dinitrotoluene	37.2	10	ug/L	50.00		74	57-128			
2,6-Dinitrotoluene	37.6	10	ug/L	50.00		75	57-124			
2-Chloronaphthalene	46.1	10	ug/L	50.00		92	40-116			
2-Chlorophenol	30.8	10	ug/L	50.00		62	38-117			
2-Methylnaphthalene	33.4	10	ug/L	50.00		67	40-121			
2-Methylphenol	28.8	10	ug/L	50.00		58	30-117			
2-Nitroaniline	33.8	10	ug/L	50.00		68	55-127			
2-Nitrophenol	33.6	10	ug/L	50.00		67	47-123			
3,3'-Dichlorobenzidine	36.2	10	ug/L	50.00		72	27-129			
3/4-Methylphenol	26.7	10	ug/L	50.00		53	29-110			
3-Nitroaniline	33.5	10	ug/L	50.00		67	41-128			
4,6-Dinitro-2-methylphenol	33.4	10	ug/L	50.00		67	44-137			
4-Bromophenyl phenyl ether	38.2	10	ug/L	50.00		76	55-124			
4-Chloro-3-methylphenol	35.6	10	ug/L	50.00		71	52-119			

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5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0416 - 3510C MS										
LCS (P6B0416-BS1)				Prepared & Analyzed: 02/23/16						
4-Chloroaniline	32.1	10	ug/L	50.00		64	33-117			
4-Chlorophenyl phenyl ether	37.5	10	ug/L	50.00		75	53-121			
4-Nitroaniline	34.0	10	ug/L	50.00		68	45-135			
4-Nitrophenol	14.6	10	ug/L	50.00		29	10-77			
Acenaphthene	36.4	10	ug/L	50.00		73	47-122			
Acenaphthylene	36.8	10	ug/L	50.00		74	41-130			
Acetophenone	35.1	10	ug/L	50.00		70	46-118			
Anthracene	39.6	10	ug/L	50.00		79	57-123			
Benzo(a)anthracene	38.4	10	ug/L	50.00		77	58-125			
Benzo(a)pyrene	33.0	10	ug/L	50.00		66	54-128			
Benzo(b)fluoranthene	31.8	10	ug/L	50.00		64	53-131			
Benzo(g,h,i)perylene	32.1	10	ug/L	50.00		64	50-134			
Benzo(k)fluoranthene	32.8	10	ug/L	50.00		66	57-129			
bis(2-Chloroethoxy)methane	34.9	10	ug/L	50.00		70	48-120			
Bis(2-Chloroethyl)ether	31.3	10	ug/L	50.00		63	43-118			
Bis(2-chloroisopropyl)ether	32.6	10	ug/L	50.00		65	37-130			
Bis(2-Ethylhexyl)phthalate	38.5	10	ug/L	50.00		77	55-135			
Butyl benzyl phthalate	38.4	10	ug/L	50.00		77	53-134			
Carbazole	37.6	10	ug/L	50.00		75	60-122			
Chrysene	38.6	10	ug/L	50.00		77	59-123			
Dibenzo(a,h)anthracene	32.2	10	ug/L	50.00		64	51-134			
Dibenzofuran	38.1	10	ug/L	50.00		76	53-118			
Diethyl phthalate	38.3	10	ug/L	50.00		77	56-125			
Dimethyl phthalate	38.4	10	ug/L	50.00		77	45-127			
Di-n-butyl phthalate	38.3	10	ug/L	50.00		77	59-127			
Di-n-octyl phthalate	33.5	10	ug/L	50.00		67	51-140			
Fluoranthene	37.8	10	ug/L	50.00		76	57-128			
Fluorene	37.2	10	ug/L	50.00		74	52-124			
Hexachlorobenzene	43.8	10	ug/L	50.00		88	53-125			
Hexachlorobutadiene	34.4	10	ug/L	50.00		69	22-124			
Hexachlorocyclopentadiene	32.4	10	ug/L	50.00		65	32-117			
Hexachloroethane	31.3	10	ug/L	50.00		63	21-115			
Indeno(1,2,3-cd)pyrene	31.6	10	ug/L	50.00		63	52-134			
Isophorone	36.4	10	ug/L	50.00		73	42-124			
Naphthalene	32.6	10	ug/L	50.00		65	40-121			
Nitrobenzene	34.3	10	ug/L	50.00		69	45-121			
N-Nitroso-di-n-propylamine	32.2	10	ug/L	50.00		64	49-119			
N-Nitrosodiphenylamine	37.2	10	ug/L	50.00		74	51-123			
Pentachlorophenol	33.9	10	ug/L	50.00		68	35-138			
Phenanthrene	38.3	10	ug/L	50.00		77	59-120			
Phenol	13.2	10	ug/L	50.00		26	12-58			
Pyrene	39.4	10	ug/L	50.00		79	57-126			
Surrogate: 2,4,6-Tribromophenol	*83.1*		*ug/L*	*100.0*		*83*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*37.8*		*ug/L*	*50.00*		*76*	*44-119*			
Surrogate: 2-Fluorophenol	*46.3*		*ug/L*	*100.0*		*46*	*19-119*			
Surrogate: Nitrobenzene-d5	*36.3*		*ug/L*	*50.00*		*73*	*44-120*			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0416 - 3510C MS										
LCS (P6B0416-BS1)				Prepared & Analyzed: 02/23/16						
Surrogate: Phenol-d5	*29.3*		*ug/L*	*100.0*		*29*	*11-52*			
Surrogate: Terphenyl-d14	*44.6*		*ug/L*	*50.00*		*89*	*50-134*			
LCS (P6B0416-BS2)				Prepared & Analyzed: 02/23/16						
1,1'-Biphenyl	35.8	10	ug/L	50.00		72	49-115			
2,3,4,6-Tetrachlorophenol	37.4	10	ug/L	50.00		75	50-128			
Atrazine	41.4	10	ug/L	50.00		83	44-142			
Benzaldehyde	37.2	10	ug/L	50.00		74	35-115			
Caprolactam	11.4	10	ug/L	50.00		23	35-115			L
Surrogate: 2,4,6-Tribromophenol	*84.2*		*ug/L*	*100.0*		*84*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*37.6*		*ug/L*	*50.00*		*75*	*44-119*			
Surrogate: 2-Fluorophenol	*50.7*		*ug/L*	*100.0*		*51*	*19-119*			
Surrogate: Nitrobenzene-d5	*39.9*		*ug/L*	*50.00*		*80*	*44-120*			
Surrogate: Phenol-d5	*32.8*		*ug/L*	*100.0*		*33*	*11-52*			
Surrogate: Terphenyl-d14	*47.2*		*ug/L*	*50.00*		*94*	*50-134*			
LCS Dup (P6B0416-BSD1)				Prepared & Analyzed: 02/23/16						
2,4,5-Trichlorophenol	37.0	10	ug/L	50.00		74	53-123	4	20	
2,4,6-Trichlorophenol	33.3	10	ug/L	50.00		67	50-125	5	20	
2,4-Dichlorophenol	34.3	10	ug/L	50.00		69	47-121	1	20	
2,4-Dimethylphenol	32.8	10	ug/L	50.00		66	31-124	3	20	
2,4-Dinitrophenol	26.1	10	ug/L	50.00		52	23-143	6	20	
2,4-Dinitrotoluene	37.3	10	ug/L	50.00		75	57-128	0.2	20	
2,6-Dinitrotoluene	36.6	10	ug/L	50.00		73	57-124	2	20	
2-Chloronaphthalene	45.2	10	ug/L	50.00		90	40-116	2	20	
2-Chlorophenol	30.7	10	ug/L	50.00		61	38-117	0.2	20	
2-Methylnaphthalene	32.5	10	ug/L	50.00		65	40-121	3	20	
2-Methylphenol	29.2	10	ug/L	50.00		58	30-117	2	20	
2-Nitroaniline	33.1	10	ug/L	50.00		66	55-127	2	20	
2-Nitrophenol	32.5	10	ug/L	50.00		65	47-123	3	20	
3,3'-Dichlorobenzidine	34.7	10	ug/L	50.00		69	27-129	4	20	
3/4-Methylphenol	27.2	10	ug/L	50.00		54	29-110	2	20	
3-Nitroaniline	33.0	10	ug/L	50.00		66	41-128	2	20	
4,6-Dinitro-2-methylphenol	32.8	10	ug/L	50.00		66	44-137	2	20	
4-Bromophenyl phenyl ether	36.0	10	ug/L	50.00		72	55-124	6	20	
4-Chloro-3-methylphenol	34.8	10	ug/L	50.00		70	52-119	2	20	
4-Chloroaniline	32.7	10	ug/L	50.00		65	33-117	2	20	
4-Chlorophenyl phenyl ether	36.0	10	ug/L	50.00		72	53-121	4	20	
4-Nitroaniline	34.1	10	ug/L	50.00		68	45-135	0.3	20	
4-Nitrophenol	14.2	10	ug/L	50.00		28	10-77	3	20	
Acenaphthene	34.7	10	ug/L	50.00		69	47-122	5	20	
Acenaphthylene	35.7	10	ug/L	50.00		71	41-130	3	20	
Acetophenone	33.2	10	ug/L	50.00		66	46-118	6	20	
Anthracene	37.5	10	ug/L	50.00		75	57-123	6	20	
Benzo(a)anthracene	36.2	10	ug/L	50.00		72	58-125	6	20	
Benzo(a)pyrene	31.2	10	ug/L	50.00		62	54-128	6	20	
Benzo(b)fluoranthene	30.6	10	ug/L	50.00		61	53-131	4	20	

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0416 - 3510C MS										
LCS Dup (P6B0416-BSD1)				Prepared & Analyzed: 02/23/16						
Benzo(g,h,i)perylene	30.4	10	ug/L	50.00		61	50-134	5	20	
Benzo(k)fluoranthene	31.0	10	ug/L	50.00		62	57-129	5	20	
bis(2-Chloroethoxy)methane	33.7	10	ug/L	50.00		67	48-120	3	20	
Bis(2-Chloroethyl)ether	31.2	10	ug/L	50.00		62	43-118	0.1	20	
Bis(2-chloroisopropyl)ether	31.8	10	ug/L	50.00		64	37-130	3	20	
Bis(2-Ethylhexyl)phthalate	37.3	10	ug/L	50.00		75	55-135	3	20	
Butyl benzyl phthalate	36.7	10	ug/L	50.00		73	53-134	5	20	
Carbazole	36.4	10	ug/L	50.00		73	60-122	3	20	
Chrysene	35.8	10	ug/L	50.00		72	59-123	7	20	
Dibenzo(a,h)anthracene	30.8	10	ug/L	50.00		62	51-134	5	20	
Dibenzofuran	36.5	10	ug/L	50.00		73	53-118	4	20	
Diethyl phthalate	37.2	10	ug/L	50.00		74	56-125	3	20	
Dimethyl phthalate	36.8	10	ug/L	50.00		74	45-127	4	20	
Di-n-butyl phthalate	37.0	10	ug/L	50.00		74	59-127	3	20	
Di-n-octyl phthalate	32.0	10	ug/L	50.00		64	51-140	5	20	
Fluoranthene	36.7	10	ug/L	50.00		73	57-128	3	20	
Fluorene	35.6	10	ug/L	50.00		71	52-124	4	20	
Hexachlorobenzene	41.9	10	ug/L	50.00		84	53-125	5	20	
Hexachlorobutadiene	34.1	10	ug/L	50.00		68	22-124	0.6	20	
Hexachlorocyclopentadiene	32.0	10	ug/L	50.00		64	32-117	1	20	
Hexachloroethane	31.3	10	ug/L	50.00		63	21-115	0.2	20	
Indeno(1,2,3-cd)pyrene	29.3	10	ug/L	50.00		59	52-134	8	20	
Isophorone	35.2	10	ug/L	50.00		70	42-124	3	20	
Naphthalene	31.8	10	ug/L	50.00		64	40-121	3	20	
Nitrobenzene	32.2	10	ug/L	50.00		64	45-121	6	20	
N-Nitroso-di-n-propylamine	31.1	10	ug/L	50.00		62	49-119	3	20	
N-Nitrosodiphenylamine	36.4	10	ug/L	50.00		73	51-123	2	20	
Pentachlorophenol	33.0	10	ug/L	50.00		66	35-138	3	20	
Phenanthrene	36.5	10	ug/L	50.00		73	59-120	5	20	
Phenol	13.6	10	ug/L	50.00		27	12-58	3	20	
Pyrene	37.1	10	ug/L	50.00		74	57-126	6	20	
Surrogate: 2,4,6-Tribromophenol	*75.2*		*ug/L*	*100.0*		*75*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*34.8*		*ug/L*	*50.00*		*70*	*44-119*			
Surrogate: 2-Fluorophenol	*44.7*		*ug/L*	*100.0*		*45*	*19-119*			
Surrogate: Nitrobenzene-d5	*32.8*		*ug/L*	*50.00*		*66*	*44-120*			
Surrogate: Phenol-d5	*28.6*		*ug/L*	*100.0*		*29*	*11-52*			
Surrogate: Terphenyl-d14	*40.7*		*ug/L*	*50.00*		*81*	*50-134*			

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CDM Smith, Inc. (Raleigh)
Attn: Daniel Forbes
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612

Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0416 - 3510C MS										
LCS Dup (P6B0416-BSD2)				Prepared & Analyzed: 02/23/16						
1,1'-Biphenyl	30.2	10	ug/L	50.00		60	49-115	17	20	
2,3,4,6-Tetrachlorophenol	31.5	10	ug/L	50.00		63	50-128	17	20	
Atrazine	34.0	10	ug/L	50.00		68	44-142	20	20	
Benzaldehyde	30.4	10	ug/L	50.00		61	35-115	20	20	
Caprolactam	8.88	10	ug/L	50.00		18	35-115	25	20	D, L, J
Surrogate: 2,4,6-Tribromophenol	*70.8*		*ug/L*	*100.0*		*71*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*32.1*		*ug/L*	*50.00*		*64*	*44-119*			
Surrogate: 2-Fluorophenol	*41.6*		*ug/L*	*100.0*		*42*	*19-119*			
Surrogate: Nitrobenzene-d5	*32.7*		*ug/L*	*50.00*		*65*	*44-120*			
Surrogate: Phenol-d5	*27.0*		*ug/L*	*100.0*		*27*	*11-52*			
Surrogate: Terphenyl-d14	*39.6*		*ug/L*	*50.00*		*79*	*50-134*			

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Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0360 - 7470A										
Blank (P6B0360-BLK1)				Prepared & Analyzed: 02/19/16						
Mercury	BRL	0.00020	mg/L							
LCS (P6B0360-BS1)				Prepared & Analyzed: 02/19/16						
Mercury	0.00974	0.00020	mg/L	0.009375		104	80-120			
Matrix Spike (P6B0360-MS1)		**Source: 6020324-01**		Prepared & Analyzed: 02/19/16						
Mercury	0.00964	0.00020	mg/L	0.009375	BRL	103	80-120			
Matrix Spike Dup (P6B0360-MSD1)		**Source: 6020324-01**		Prepared & Analyzed: 02/19/16						
Mercury	0.00969	0.00020	mg/L	0.009375	BRL	103	80-120	0.6	20	
Batch P6B0437 - 3005A										
Blank (P6B0437-BLK1)				Prepared: 02/24/16 Analyzed: 03/02/16						
Antimony	0.166	1.0	ug/L							J
Arsenic	BRL	1.0	ug/L							
Beryllium	BRL	1.0	ug/L							
Cadmium	0.0773	1.0	ug/L							J
Chromium	1.36	1.0	ug/L							B
Copper	BRL	5.0	ug/L							
Iron	27.7	100	ug/L							J
Lead	0.289	1.0	ug/L							J
Manganese	1.40	5.0	ug/L							J
Nickel	0.315	2.0	ug/L							J
Selenium	BRL	1.0	ug/L							
Silver	0.0527	1.0	ug/L							J
Thallium	0.201	1.0	ug/L							J
Zinc	2.98	10	ug/L							J

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Prism Work Order: 6020324
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Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0437 - 3005A										
LCS (P6B0437-BS1)				Prepared: 02/24/16 Analyzed: 03/02/16						
Antimony	103	1.0	ug/L	100.0		103	80-120			
Arsenic	98.1	1.0	ug/L	100.0		98	80-120			
Beryllium	104	1.0	ug/L	100.0		104	80-120			
Cadmium	100	1.0	ug/L	100.0		100	80-120			
Chromium	102	1.0	ug/L	100.0		102	80-120			B
Copper	102	5.0	ug/L	100.0		102	80-120			
Iron	1010	100	ug/L	1000		101	80-120			
Lead	102	1.0	ug/L	100.0		102	80-120			
Manganese	98.5	5.0	ug/L	100.0		98	80-120			
Nickel	100	2.0	ug/L	100.0		100	80-120			
Selenium	97.7	1.0	ug/L	100.0		98	80-120			
Silver	102	1.0	ug/L	100.0		102	80-120			
Thallium	99.0	1.0	ug/L	100.0		99	80-120			
Zinc	100	10	ug/L	100.0		100	80-120			

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Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

Anions by Ion Chromatography - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0356 - NO PREP										
Blank (P6B0356-BLK1)				Prepared & Analyzed: 02/18/16						
Nitrate as N	BRL	0.10	mg/L							
Sulfate	BRL	1.0	mg/L							
LCS (P6B0356-BS1)				Prepared & Analyzed: 02/18/16						
Nitrate as N	3.87	0.10	mg/L	4.000		97	80-120			
Sulfate	41.9	1.0	mg/L	40.20		104	80-120			
Matrix Spike (P6B0356-MS1)		**Source: 6020324-01**		Prepared & Analyzed: 02/18/16						
Nitrate as N	4.51	0.10	mg/L	4.000	0.417	102	80-120			
Sulfate	49.7	1.0	mg/L	40.20	5.98	109	80-120			
Matrix Spike Dup (P6B0356-MSD1)		**Source: 6020324-01**		Prepared & Analyzed: 02/18/16						
Nitrate as N	4.57	0.10	mg/L	4.000	0.417	104	80-120	1	15	
Sulfate	49.0	1.0	mg/L	40.20	5.98	107	80-120	1	15	

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Project: Clayton Ball Field

Prism Work Order: 6020324
Time Submitted: 2/18/2016 8:35:00AM

General Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6B0444 - NO PREP										
Blank (P6B0444-BLK1)				Prepared: 02/24/16	Analyzed: 02/25/16					
Ammonia as N	BRL	0.10	mg/L							
LCS (P6B0444-BS1)				Prepared: 02/24/16	Analyzed: 02/25/16					
Ammonia as N	2.54	0.10	mg/L	2.500		101	90-110			

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Sample Extraction Data

Prep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date/Time
6020324-01	P6B0416	1000 mL	1 mL	02/23/16 9:30
6020324-02	P6B0416	1000 mL	1 mL	02/23/16 9:30
6020324-03	P6B0416	1000 mL	1 mL	02/23/16 9:30
6020324-04	P6B0416	1000 mL	1 mL	02/23/16 11:55
6020324-05	P6B0416	1000 mL	1 mL	02/23/16 11:55
6020324-07	P6B0416	1000 mL	1 mL	02/23/16 11:55

Prep Method: 3005A

Lab Number	Batch	Initial	Final	Date/Time
6020324-01	P6B0437	50 mL	50 mL	02/24/16 8:15
6020324-02	P6B0437	50 mL	50 mL	02/24/16 8:15
6020324-03	P6B0437	50 mL	50 mL	02/24/16 8:15
6020324-04	P6B0437	50 mL	50 mL	02/24/16 8:15
6020324-05	P6B0437	50 mL	50 mL	02/24/16 8:15
6020324-07	P6B0437	50 mL	50 mL	02/24/16 8:15

Prep Method: 7470A

Lab Number	Batch	Initial	Final	Date/Time
6020324-01	P6B0360	20 mL	30 mL	02/19/16 8:00
6020324-02	P6B0360	20 mL	30 mL	02/19/16 8:00
6020324-03	P6B0360	20 mL	30 mL	02/19/16 8:00
6020324-04	P6B0360	20 mL	30 mL	02/19/16 8:00
6020324-05	P6B0360	20 mL	30 mL	02/19/16 8:00
6020324-07	P6B0360	20 mL	30 mL	02/19/16 8:00

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
6020324-01	P6B0384	10 mL	10 mL	02/19/16 9:13
6020324-02	P6B0384	10 mL	10 mL	02/19/16 9:13
6020324-03	P6B0384	10 mL	10 mL	02/19/16 9:13
6020324-04	P6B0384	10 mL	10 mL	02/19/16 9:13
6020324-05	P6B0384	10 mL	10 mL	02/19/16 9:13
6020324-06	P6B0384	10 mL	10 mL	02/19/16 9:13
6020324-07	P6B0407	10 mL	10 mL	02/22/16 8:32

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
6020324-01	P6C0017	10 mL	10 mL	03/01/16 11:54
6020324-02	P6C0017	10 mL	10 mL	03/01/16 11:54
6020324-03	P6C0017	10 mL	10 mL	03/01/16 11:54
6020324-04	P6C0017	10 mL	10 mL	03/01/16 11:54
6020324-05	P6C0017	10 mL	10 mL	03/01/16 11:54
6020324-06	P6C0017	10 mL	10 mL	03/01/16 11:54
6020324-07	P6C0017	10 mL	10 mL	03/01/16 11:54

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

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PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions
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Phone: 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 1 OF 4 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Clayton Ball Field Surface Water Samples

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: Same

Address: _____

Client Company Name: CDM Smith

Report To/Contact Name: Dan Forbes

Reporting Address: 5400 Glenwood Ave. Suite 300
Raliegh, NC

Phone: _____ Fax (Yes) (No): _____

Email (Y s) (No) Email Address _____

EDD Type: ✓ PDF ___ Excel ___ Other NCSWS EDD

Site Location Name: _____

Site Location Physical Address: _____

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

Samples received after 15:00 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? Temp ___	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ USACE ___ 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)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	8260	8260SIM	8270	Metals	NH3	NO3 SO4	REMARKS	PRISM LAB ID NO.
SW-1	2-17-16	1010	Water	VOA	6	40ml	HCl	✓	✓					1,4-Dioxane Add TICs	01
SW-1		1010	Water	A	2	Liters	None			✓				⊥	
SW-1		1010	Water	P	2	250ml	HNO3				✓			Add Mercury	
SW-1		1010	Water	P	1	250ml	H2So4					✓			
SW-1		1010	Water	P	1	250ml	None						✓	NO3 + SO4	
SW-2		0950	Water	VOA	6	40ml	HCl	✓	✓					Add TICs	02
SW-2		0950	Water	A	2	Liters	None			✓				⊥	
SW-2		0950	Water	P	2	250ml	HNO3				✓			Add Mercury	
SW-2		0950	Water	P	1	250ml	H2SO4					✓			
SW-2		0950	Water	P	1	250ml	None						✓	NO3 + SO4	

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Sampler's Signature Janelle Bauer Sampled By (Print Name) Janelle Bauer Affiliation CDM Smith

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
Janelle Bauer	[signature]	2-17-16	1345
[signature]	[signature]	2/18/16	0810
[signature]	Received For Prism Laboratories By: [signature]	2/18/16	0835

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 BRUNK 3-COOLERS

Log-In Group No. 6020324

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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Phone: 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 2 OF 4 QUOTE # TO ENSURE PROPER BILLING:

Project Name: Clayton Ball Field Surface Water Samples

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: Same

Address:

Client Company Name: CDM Smith

Report To/Contact Name: Dan Forbes

Reporting Address: 5400 Glenwood Ave. Suite 300
Raliegh, NC

Phone: Fax (Yes) (No):

Email (Y s) (No) Email Address

EDD Type: ✓ PDF ___ Excel ___ Other NCSWS EDD

Site Location Name:

Site Location Physical Address:

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

Samples received after 15:00 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? Temp	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ USACE ___ 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)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	8260	8260SI	8270	Metals	NH3	NO3	REMARKS	PRISM LAB ID NO.
SW-3	2-17-16	0850	Water	VOA	6	40ml	HCl	✓	✓					1,4-Dioxane Add TICs	03
SW-3		0850	Water	A	2	Liters	None			✓				↓	
SW-3		0850	Water	P	2	250ml	HNO3				✓			Add Mercury	
SW-3		0850	Water	P	1	250ml	H2So4					✓			
SW-3		0850	Water	P	1	250ml	None						✓	NO3 + SO4	
SW-4		0815	Water	VOA	6	40ml	HCl	✓	✓					Add TICs	04
SW-4		0815	Water	A	2	Liters	None			✓				↓	
SW-4		0815	Water	P	2	250ml	HNO3				✓			Add Mercury	
SW-4		0815	Water	P	1	250ml	H2SO4					✓			
SW-4		0815	Water	P	1	250ml	None						✓	NO3 + SO4	

Sampler's Signature Janelle Bauer Sampled By (Print Name) Janelle Bauer Affiliation CDM Smith

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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
Janelle Bauer	[illegible]	2-17-16	1345
[illegible]	[illegible]	2/18/16	0810
[illegible]	Received For Prism Laboratories By: [illegible]	2/18/16	0835

Additional Comments:

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

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 Bailey

Log-In Group No. 6020324

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

*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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Phone: 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 3 OF 4 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Clayton Ball Field Surface Water Samples

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: Same

Address: _____

Client Company Name: CDM Smith

Report To/Contact Name: Dan Forbes

Reporting Address: 5400 Glenwood Ave. Suite 300
Raliegh, NC

Phone: _____ Fax (Yes) (No): _____

Email (Y s) (No) Email Address _____

EDD Type: ✓ PDF ___ Excel ___ Other NCSWS EDD

Site Location Name: _____

Site Location Physical Address: _____

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

Samples received after 15:00 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? Temp ____	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ USACE ___ 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)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	8260	8260SIM	8270	Metals	NH3	NO3	REMARKS	PRISM LAB ID NO.
Rinsate Blank	2-17-16	1045	Water	VOA	6	40ml	HCl	✓	✓					1,4-Dioxane Add TICs	05
Rinsate Blank	↓	1045	Water	A	2	Liters	None			✓				↓	↓
Rinsate Blank		1045	Water	P	2	250ml	HNO3				✓			Add Mercury	
Rinsate Blank		1045	Water	P	1	250ml	H2So4					✓			
Rinsate Blank		1045	Water	P	1	250ml	None						✓	NO3 + SO4	
TRIP BLANK	—	—	Water	VOA	4	40ml	HCl	✓	✓					Add TICs	06

ANALYSES REQUESTED

Sampler's Signature Janelle Bauer Sampled By (Print Name) Janelle Bauer Affiliation CDM Smith

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Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
Janelle Bauer	[signature]	2-17-16	1348
[signature]	[signature]	2/18/16	0810
[signature]	Received For Prism Laboratories By: [signature]	2/18/16	0825

Additional Comments:

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

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 Bravex

Log-In Group No. 0020324

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

*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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CHAIN OF CUSTODY RECORD

PAGE 4 OF 4 QUOTE # TO ENSURE PROPER BILLING:

Project Name: Clayton Ball Field Surface Water Samples

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: Same

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Client Company Name: CDM Smith

Report To/Contact Name: Dan Forbes

Reporting Address: 5400 Glenwood Ave. Suite 300
Raliegh, NC

Phone: Fax (Yes) (No):

Email (Y s) (No) Email Address

EDD Type: ✓ PDF Excel Other NCSWS EDD

Site Location Name:

Site Location Physical Address:

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

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(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

IR5-10 2.7 1.3

LAB USE ONLY

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

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ____ USACE ____ 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)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	8260	8260SIM	8270	Metals	NH3	NO3 SO4	REMARKS	PRISM LAB ID NO.
~~SW-4~~ DUP	2-17-16	0830	Water	VOA	6	40ml	HCl	✓	✓					1,4-Dioxane Add TICs	07
~~SW-1~~ DUP	2-17-16	0830	Water	A	2	Liters	None			✓				↓	↓
~~SW-1~~ DUP	2-17-16	0830	Water	P	2	250ml	HNO3				✓			Add Mercury	
~~SW-1~~ DUP	2-17-16	0830	Water	P	1	250ml	H2So4					✓			
~~SW-1~~ DUP	2-17-16	0830	Water	P	1	250ml	None						✓	NO3 + SO4	
~~SW-2~~			~~Water~~	~~VOA~~	~~6~~	~~40ml~~	~~HCl~~	✓	✓					Add TICs	
~~SW-2~~			~~Water~~	~~A~~	~~2~~	~~Liters~~	~~None~~			✓				↓	
~~SW-2~~			~~Water~~	~~P~~	~~2~~	~~250ml~~	~~HNO3~~				✓			~~Add Mercury~~	
~~SW-2~~			~~Water~~	~~P~~	~~1~~	~~250ml~~	~~H2SO4~~					✓			
~~SW-2~~			~~Water~~	~~P~~	~~1~~	~~250ml~~	~~None~~						✓	~~NO3 + SO4~~	

Sampler's Signature Janelle Bauer Sampled By (Print Name) Janelle Bauer Affiliation CDM Smith

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Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
Janelle Bauer	[signature]	2-17-16	1348
[signature]	[signature]	2/18/16	0810
[signature]	[signature]	2/18/16	0835

Received For Prism Laboratories By:

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 Bandy

Log-In Group No. 6020324

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

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

ORIGINAL

Appendix C

Report Certification

Clayton Ball Field
Site Identification Number: NCD980844732

REPORT CERTIFICATION

Document Name:	Remedial Investigation - Initial Contaminant Identification and Delineation Activities
Site Name:	Clayton Ball Field
Site ID:	NCD980844732
Task Order:	Task Order 4732DP

I certify that, to the best of my knowledge, after thorough investigation, the information contained in or accompanying this certification is true, accurate, and complete.

Aaron M. Weispfenning, P.E.
Project Manager

3-31-16

Signature *Date*

Before me personally appeared Aaron M. Weispfenning to me known and known to me to be the person described in and who executed the foregoing instrument, and acknowledge to and before me that Aaron M. Weispfenning executed said instrument for the purposes therein expressed.

Witness my hand and official seal this 31st day of March, 2016.

3/31/2019

Notary Public *My Commission Expires On*

North Carolina Wake

State of *County of*