20395

WEST POINT HOME

October 9, 2014

Ms. Addie Walker
Bureau of Land & Waste Management
South Carolina Department of Health & Environmental Control
2600 Bull Street
Columbia, SC 29201-1708

Re: WestPoint Home (Formerly WestPoint Stevens) Clemson Site #00895

Dear Ms. Walker:

Enclosed are two (2) copies of the Groundwater and Surface Water Investigation Report prepared for the site of our former textile facility in Clemson, SC. This document represents the culmination of recent drilling, well installation, groundwater and pore water sampling, analytical evaluations and data interpretation for this site. It is submitted for your review and consideration.

Given the length of time that has transpired since we last discussed this project, I would request that the Department review the technical report and that we schedule a project meeting to discuss its findings and implications for future response measures.

I hope this report will provide the Department with additional site-specific details about conditions at this location and will help us going forward when we begin remediation. If you have any questions about the report, please give me a call at 334-756-5541.

Sincerely,

Eddie Lanier P/SW

Eddie Lanier, P.E.
Director – Environmental Department

Environmental Dept., 3300 23rd Drive, Valley, AL 36854, Phone: 706-645-4658, Fax 706-645-4539

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Groundwater and Surface Water Investigation Report

WestPoint Home, Inc.
Clemson, South Carolina

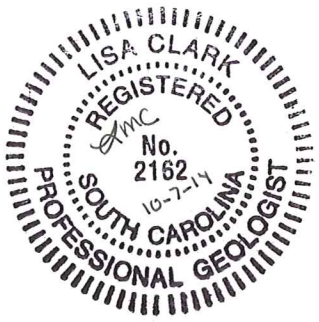
October 2014

Groundwater and Surface Water Investigation Report

WestPoint Home, Inc.

Clemson, South Carolina

October 2014



Lisa M. Clark, P.G.
Senior Hydrogeologist

Steve W. Webb, Ph.D., P.E.
Senior Project Manager

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Section 1
Introduction

The former WestPoint Home, Inc. (WPH) facility was previously located on West Cherry Road near Clemson, South Carolina (Figure 1). The facility was closed in April 2006 and demolished during the period of 2008-2009. Previous investigations conducted at the site have revealed the presence of two discrete plumes of volatile organic compound (VOC), each comprised primarily of tetrachloroethene (PCE). These plumes have come to be more commonly designated as the "upgradient" and "downgradient" VOC plumes. Prior site investigations indicate that both of these VOC plumes originate in the vicinity of underground piping underlying the former manufacturing complex. From their subsurface point of origin, the two VOC plumes extend in a southeastwardly direction to Hartwell Lake, where pore water sampling indicates that low level VOCs are released into the surface water of the lake.

1.1 Background

The property is currently owned and managed by Tom Winkopp, Realtor/Developer, LLC. At present, there is evidence of extensive residential/commercial development, primarily focused on the student housing market for nearby Clemson University. At one time, site development plans included plans for designated residential areas within the vicinity of the upgradient and downgradient VOC plumes. TRC Environmental Corporation (TRC) identified several monitoring wells within the vicinity of the plumes that also occurred within planned roadways and/or property tracts. These wells were determined to be at risk of being damaged or destroyed during subsequent grading and construction activities.

In November 2010, WPH presented South Carolina Department of Health and Environmental Control (SC DHEC) with a technical memorandum proposing abandonment of these "at-risk" wells and re-installation of replacement monitoring wells at such time as site development activities were completed. The "at-risk" wells were properly abandoned in January 2011, in accordance with SC DHEC regulations and the Department's prior approval. In March 2013, WPH received word from the site owner/developer that plans for further development of the property within the vicinity of the VOC plumes had been placed on hold, pending completion of the groundwater remediation activities anticipated for this area.

During the period of April 2014 through June 2014, WPH authorized TRC to initiate restoration of the groundwater monitoring well network. This drilling effort involved installation of 55 new monitoring wells. Some of the new wells were installed to replace previous wells that had been abandoned, while others were installed to address data gaps identified in the

upgradient and downgradient VOC plume areas. Monitoring well installation was conducted in accordance with the *Groundwater Monitoring Well Installation Workplan* (TRC, September 4, 2013), approved by SC DHEC in correspondence dated October 10, 2013.

In conjunction with the sampling of these newly installed and existing monitoring wells, WPH also authorized TRC to conduct sediment pore water and surface water sampling along the shoreline of Hartwell Lake, within a small semi-circular embayment situated downgradient of the VOC groundwater plumes.

1.2 Purpose and Scope

The purpose of this report is to document the restoration of the site groundwater monitoring well network and describe the current distribution of VOCs, as observed within the groundwater and nearby surface water. Section 2 has been developed to describe the various details and activities associated with installation of the new monitoring wells. Section 3 describes TRC's interpretation of the site geology and groundwater flow patterns. Section 4 presents the results of the subsequent groundwater and pore water sampling and laboratory analyses. Section 5 presents the results of the surface water sampling effort that was conducted by TRC along the shores of Hartwell Lake. TRC's conclusions and recommendations are subsequently summarized in Section 6.

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WESTPOINT HOME, INC.
CLEMSON, SOUTH CAROLINA

FIGURE 1
LOCATION OF FORMER
WESTPOINT HOME SITE

DRAWN BY: TLH
APPROVED BY: SWW
PROJECT NO: 208464.0.0.4
FILE NO. SiteLocationMap.mxd
DATE: OCTOBER 2014

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Date Saved: 9/30/2014 11:45:03 AM

Section 2
Groundwater Monitoring Well Network

WPH elected to retain 13 monitoring wells that were installed during previous groundwater monitoring activities conducted by others. These existing wells (shown in blue on Figure 2) were all located outside of the proposed development area and were deemed to be at minimal risk of damage from site development activities. During the period from April 1 through June 17, 2014, WPH authorized TRC to install 16 replacement monitoring wells to restore those wells previously abandoned in November 2010. During this same time-frame, 39 new monitoring wells were installed to address horizontal and vertical data gaps that had been identified by SC DHEC within the upgradient and downgradient VOC plume areas. These monitoring wells were generally installed at four designated depth intervals, including: the upper water table, an intermediate zone, the top of bedrock, and shallow bedrock. These replacement and new well locations are illustrated in green on Figure 2. All drilling and well installation activities were conducted in accordance with the SC DHEC-approved *Site Assessment Sampling and Analysis Plan* (SAP) (TRC, March 2013).

2.1 Monitoring Well Installation

Drilling and well installation activities were performed by AE Drilling LLC of Greenville, South Carolina. Drilling methods applied during this effort included a combination of hollow-stem auger, mud rotary and air hammer techniques. Soil samples for visual description and characterization purposes were collected during well installation activities. The boring logs developed for each of these newly installed monitoring wells are provided in Appendix A.

Generally, the new monitoring wells were completed above-grade with protective steel risers, concrete pads, and locking caps. Flush-mounted surface completions were placed on three wells located near the swimming pool/recreation facility, constructed as part of the site development. Well identification and labels were attached to each well completion, providing a discrete well identification number, construction information, and driller certification. These details were affixed to the outside of each completed well. All of the new wells were developed by over pumping and surging each well until the groundwater recovered from the well was relatively clear and free of sediment and turbidity measurements stabilized.

With one exception, new and existing monitoring wells were surveyed by C.O. Riddle Surveying, Co., a licensed South Carolina land surveyor. Previously existing well MW-10B was not located. The well construction details for new and existing wells are summarized on Table 1. As-built construction diagrams for the new wells are provided in Appendix B.

2.2 Investigation-derived Waste Management

All decontamination and development water generated during well installation activities was placed within an above-grade polyethylene storage tank. This water was subsequently characterized and transported by A&D Environmental Services (A&D) for appropriate discharge/disposal at either A&D's Lexington or Greenville, South Carolina disposal facilities. Upon completion of the work effort, the polyethylene tank was cleansed and rinsed to remove any accumulated soil cuttings, which were properly disposed of (see below).

Soil cuttings generated during the drilling activities were placed in roll-off containers. These soils were subsequently characterized and transported as a nonhazardous solid waste to the Anderson Regional landfill for disposal. Copies of the disposal manifests associated with these activities are provided in Appendix C.

Section 3
Site Geology and Groundwater Flow

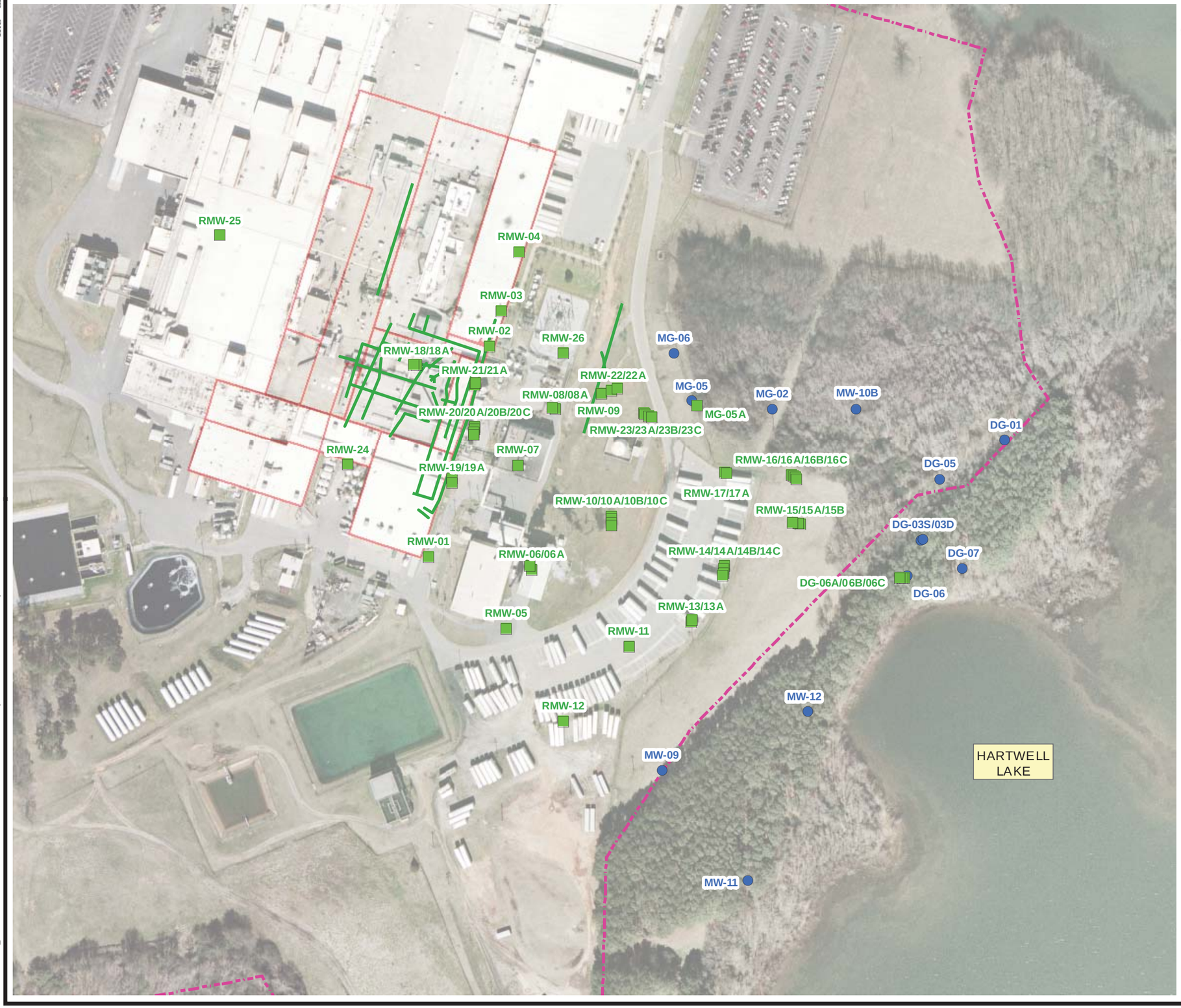
The site is located within the upper piedmont geologic province, an area generally thought to be underlain by weathered igneous and metamorphic rock. Based on the soil boring logs prepared for the newly installed monitoring wells (Appendix A), four lithostratigraphic units were identified beneath the site, including the following:

- ***Fill or disturbed material*** – predominately silt, clay and sand associated with the former building structures and grading activities.
- ***Saprolite*** – a highly weathered, disintegrating rock containing a high percentage of silt and clay and retaining evidence of former rock structure and fabric.
- ***Transition Zone*** – a somewhat less weathered rock containing a higher percentage of sand and gravel. Typically, this layer has been found to be more transmissive of groundwater than the saprolite materials.
- ***Shallow Bedrock*** – which predominately occurred as a biotite gneiss, exhibiting an abundance of shallow fractures.

Groundwater beneath the site is present under unconfined conditions. Groundwater present within each of the lithostratigraphic units is hydraulically interconnected. Based upon these observations, TRC considers each of these four units to comprise a single unconfined aquifer beneath the site.

Groundwater levels were measured within each monitoring well prior to sampling. Table 2 presents a summary of the depth to groundwater (as measured below the top of well casing) and groundwater elevations, as measured in existing and new monitoring wells on July 7 – 8, 2014. Figure 3 illustrates the observed configuration of the water table zone based on water levels measured in shallow depth monitoring wells. Figure 4 through Figure 6 illustrate potentiometric surfaces as interpreted by TRC from water levels measured in the intermediate depth, top of rock, and bedrock zone wells, respectively. In all cases, the observed direction of groundwater flow was southeastwardly, toward Hartwell Lake.

The hydraulic gradient of the water table was observed to range from approximately 0.006 to 0.009, becoming steeper as the water approached Hartwell Lake. Similar conditions were observed with the potentiometric surface of the intermediate zone, with hydraulic gradients ranging from approximately 0.005 to 0.009. The hydraulic gradients observed within the top of rock and bedrock zone wells were generally consistent across the site, with values ranging from 0.006 to 0.007.



LEGEND

- PRE-EXISTING MONITORING WELL
- NEW MONITORING WELL (2014)
- ARMY CORPS OF EXGINEERS PROPERTY BOUNDARY (APPROXIMATE)
- HISTORICAL SUBSURFACE PIPELINE
- FORMER BUILDING LOCATION

NOTES

AERIAL PHOTOGRAPHY FROM OCONEE COUNTY, SC. MAY 2006

LOCATION OF WELL MW-10B IS APPROXIMATE.

LOCATIONS OF BUILDINGS AND OTHER STRUCTURES ARE FOR REFERENCE ONLY. FACILITY WAS DEMOLISHED 2008-2009.

N

0 200 400 Feet

1 " = 200 '

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PROJECT:

WESTPOINT HOME, INC.
CLEMSON, SOUTH CAROLINA

SHEET TITLE:

FIGURE 2
MONITORING WELL LOCATION MAP

DRAWN BY:	HERTZT	SCALE: 1: 2,400	PROJ. NO. 208464.0.0.4
CHECKED BY:	CLARKL		FILE NO. MonitoringWellLocations.mxd
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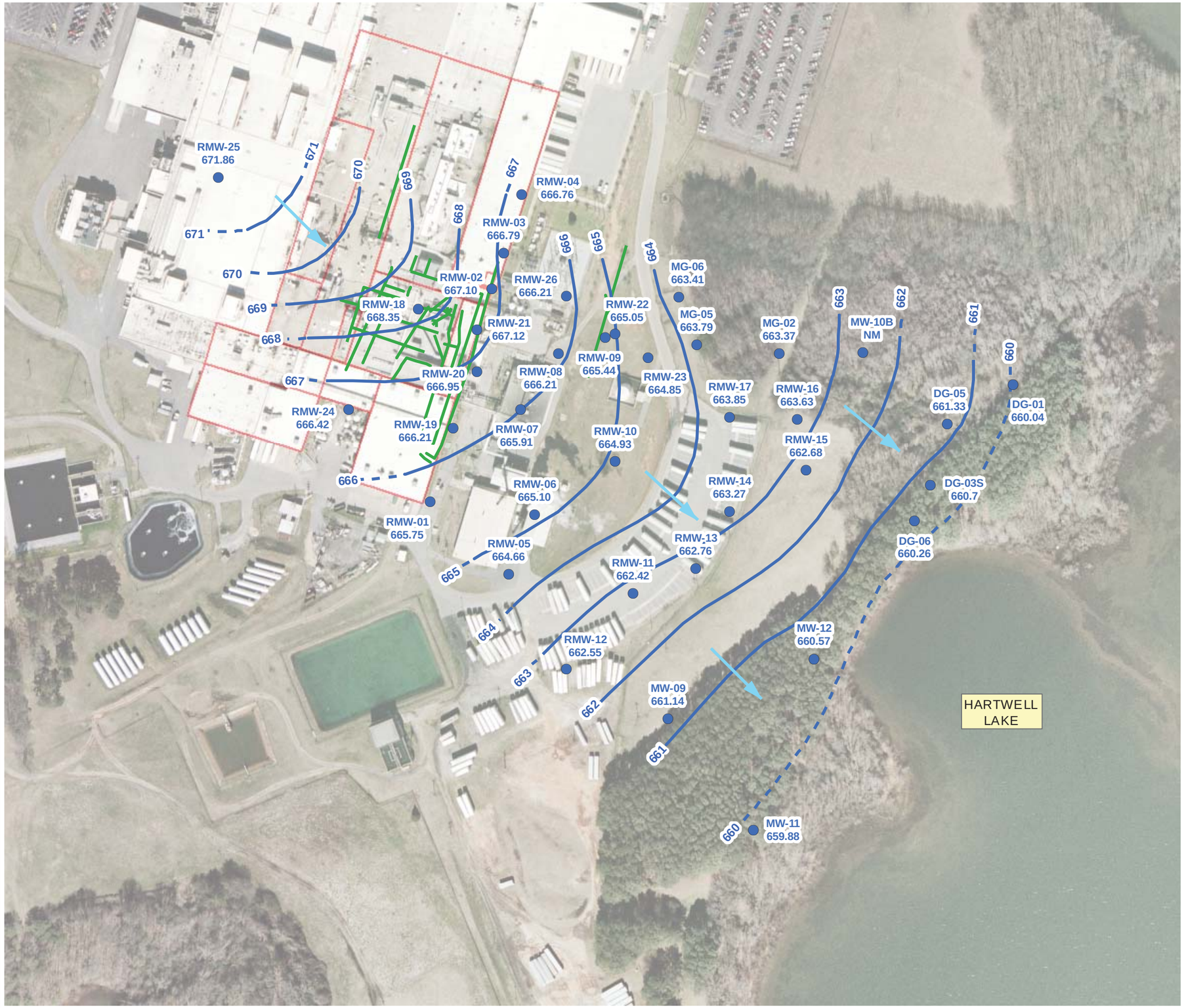

LEGEND

- WATER TABLE MONITORING WELL
- WATER TABLE ELEVATION CONTOUR (FT MSL)
- FORMER UNDERGROUND PIPE
- FORMER BUILDING FOOTPRINT
- GROUNDWATER FLOW DIRECTION

NOTES

AERIAL PHOTOGRAPHY FROM OCONEE COUNTY, SC. MAY 2006

WATER LEVELS MEASURED JULY 7-8, 2014

NM - NOT MEASURED

LOCATIONS OF BUILDINGS AND OTHER STRUCTURES ARE FOR REFERENCE ONLY. FACILITY WAS DEMOLISHED 2008-2009.

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1 " = 200 '

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SHEET TITLE:

FIGURE 3
WATER TABLE CONFIGURATION

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APPROVED BY:	WEBBS	DATE PRINTED:	
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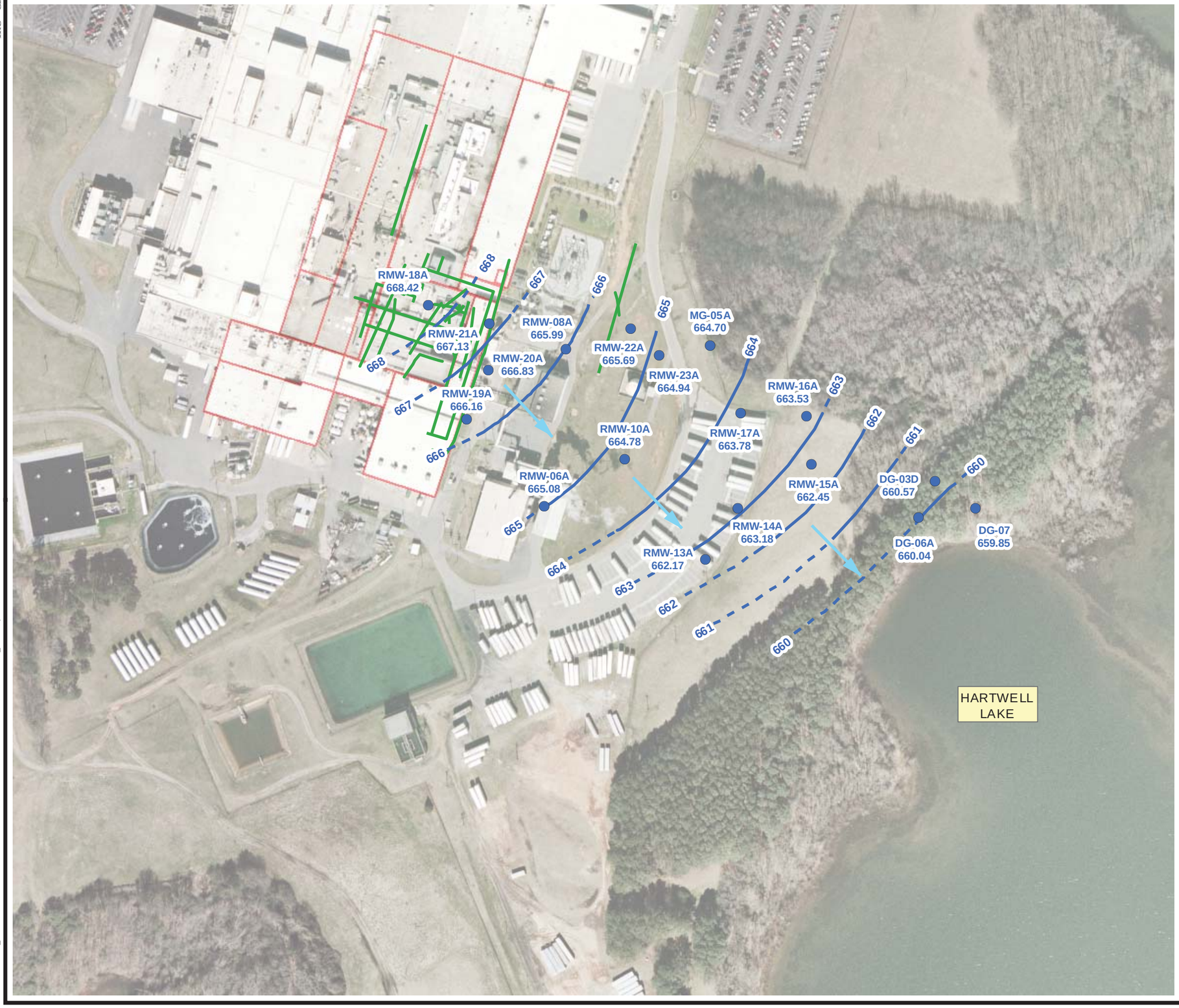

LEGEND

- INTERMEDIATE MONITORING WELL
- INTERMEDIATE PIEZOMETRIC SURFACE ELEVATION CONTOUR (FT MSL)
- FORMER UNDERGROUND PIPE
- FORMER BUILDING FOOTPRINT
- GROUNDWATER FLOW DIRECTION

NOTES

AERIAL PHOTOGRAPHY FROM OCONEE COUNTY, SC. MAY 2006

WATER LEVELS MEASURED JULY 7-8, 2014

LOCATIONS OF BUILDINGS AND OTHER STRUCTURES ARE FOR REFERENCE ONLY. FACILITY WAS DEMOLISHED 2008-2009.

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1 " = 200 '

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FIGURE 4
PIEZOMETRIC SURFACE - INTERMEDIATE ZONE

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APPROVED BY: WEBBS	DATE PRINTED:		
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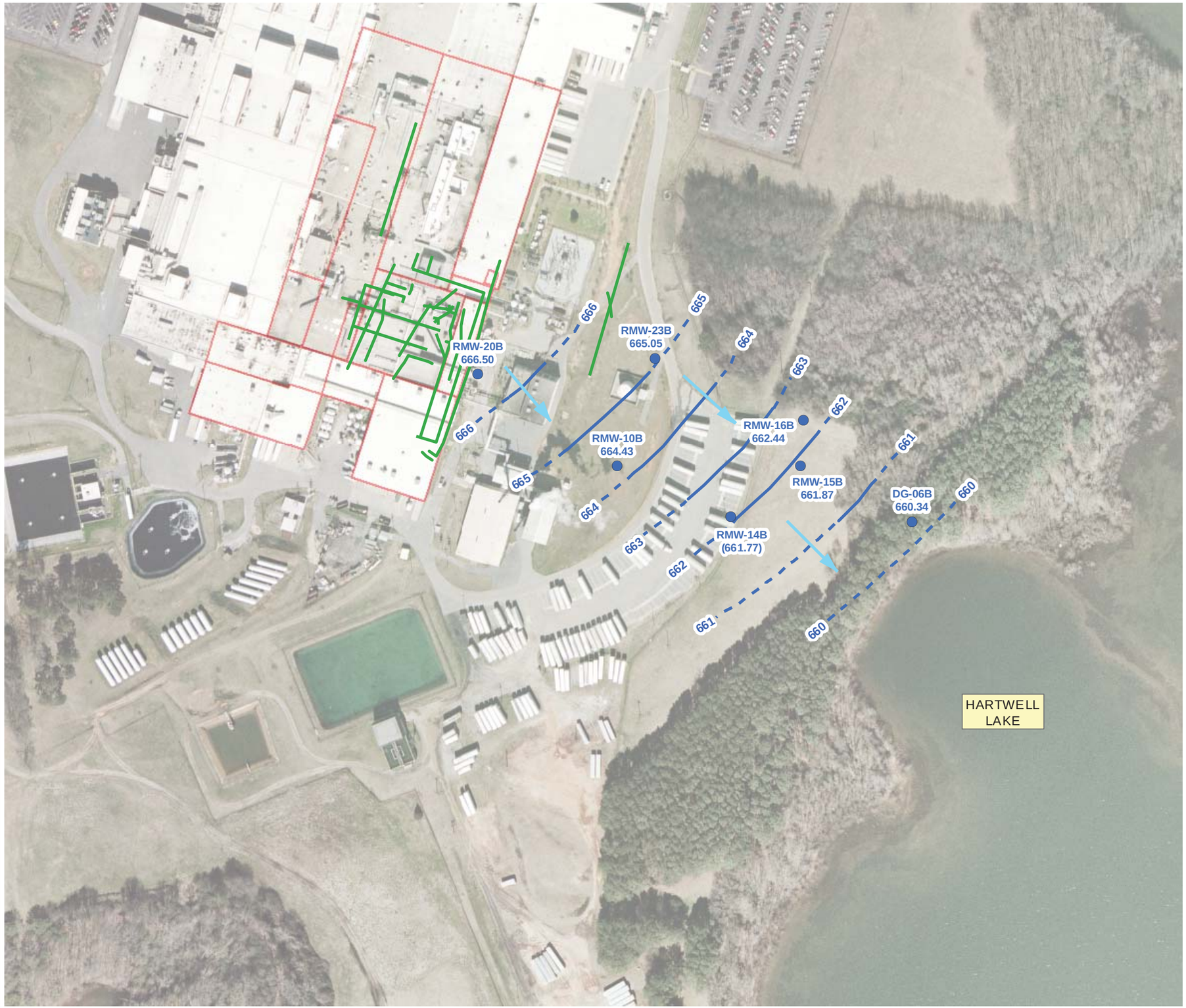

LEGEND

- TOP OF ROCK MONITORING WELL
- TOP OF ROCK PIEZOMETRIC SURFACE ELEVATION CONTOUR (FT MSL)
- FORMER UNDERGROUND PIPE
- FORMER BUILDING FOOTPRINT
- GROUNDWATER FLOW DIRECTION

NOTES

AERIAL PHOTOGRAPHY FROM OCONEE COUNTY, SC. MAY 2006

WATER LEVELS MEASURED JULY 7-8, 2014

LOCATIONS OF BUILDINGS AND OTHER STRUCTURES ARE FOR REFERENCE ONLY. FACILITY WAS DEMOLISHED 2008-2009.

WATER LEVEL IN RMW-14B WAS MEASURED ON JULY 21, 2014.

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0 200 400 Feet

1 " = 200 '

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SHEET TITLE:

FIGURE 5
PIEZOMETRIC SURFACE - TOP OF ROCK

DRAWN BY: HERTZT	SCALE: 1: 2,400	PROJ. NO. 208464.0.0.4	
CHECKED BY: CLARKL		FILE NO. Piezometric-Top of Rock_2014July.mxd	
APPROVED BY: WEBBS	DATE PRINTED:		
DATE: OCTOBER 2014			

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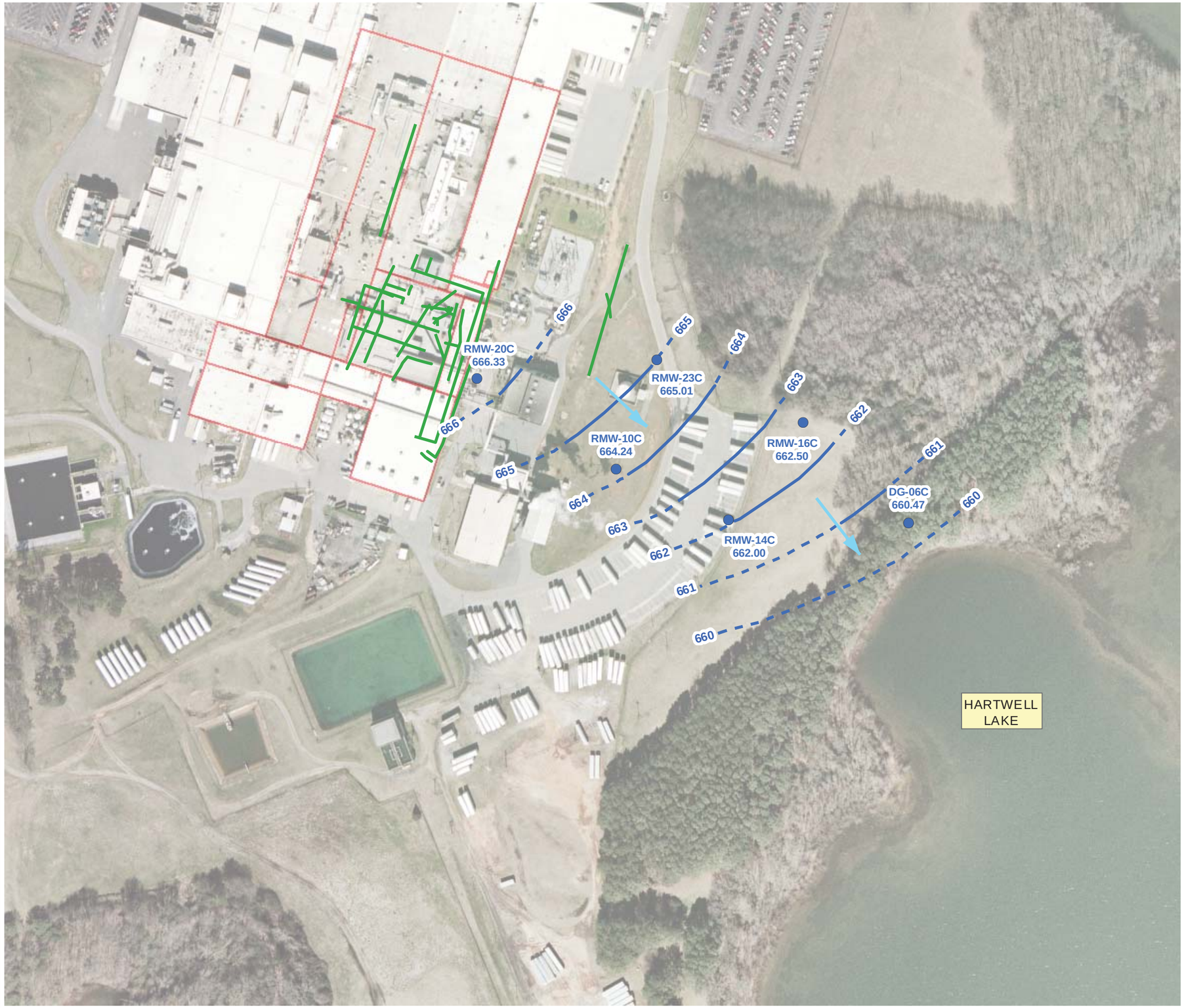

LEGEND

- BEDROCK MONITORING WELL
- BEDROCK PIEZOMETRIC SURFACE ELEVATION CONTOUR (FT MSL)
- FORMER UNDERGROUND PIPE
- FORMER BUILDING FOOTPRINT
- GROUNDWATER FLOW DIRECTION

NOTES

AERIAL PHOTOGRAPHY FROM OCONEE COUNTY, SC. MAY 2006

WATER LEVELS MEASURED JULY 7-8, 2014

LOCATIONS OF BUILDINGS AND OTHER STRUCTURES ARE FOR REFERENCE ONLY. FACILITY WAS DEMOLISHED 2008-2009.

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1 " = 200 '

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FIGURE 6
PIEZOMETRIC SURFACE - BEDROCK

DRAWN BY:	HERTZT	SCALE:	PROJ. NO. 208464.0.0.4
CHECKED BY:	CLARKL	1: 2,400	FILE NO. Piezometric-Bedrock_2014July.mxd
APPROVED BY:	WEBBS	DATE PRINTED:	
DATE:	OCTOBER 2014		

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TRC - GIS

Table 1
Monitoring Well Construction Summary

WELL ID	MONITORED INTERVAL	WELL DIAMETER (inches)	NORTHING	EASTING	GROUND SURFACE ELEVATION (ft msl)	TOP OF WELL CASING ELEVATION (ft msl)	TOTAL WELL DEPTH (ft bgs)	WELL SCREEN INTERVAL (ft bgs)	WELL STATUS
DG-01	Water Table	1	1028846.921	1441353.601	666.30	666.23	20.00	10-20	Existing
DG-03D	Intermediate	1	1028643.597	1441166.833	670.50	670.26	38.50	33.5-38.5	Existing
DG-03S	Water Table	1	1028645.455	1441170.111	670.40	670.13	20.00	10-20	Existing
DG-05	Water Table	1	1028766.057	1441205.755	669.51	669.35	15.00	5-15	Existing
DG-06	Water Table	2	1028572.355	1441138.486	667.41	670.26	20.00	20-Oct	Existing
DG-06A	Intermediate	2	1028568.180	1441132.230	667.60	670.50	55.20	50-55	New
DG-06B	Top of Rock	2	1028567.335	1441126.898	667.60	670.73	103.20	98-103	New
DG-06C	Bedrock	2	1028566.824	1441122.638	667.55	670.54	113.30	108.3-113.3	New
DG-07	Intermediate	2	1028586.007	1441249.615	664.86	667.43	38.00	33-38	Existing
MG-02	Water Table	1	1028911.176	1440866.859	667.27	666.59	20.00	10-20	Existing
MG-05	Water Table	1	1028929.331	1440706.873	670.03	669.77	20.00	10-20	Existing
MG-05A	Intermediate	2	1028918.168	1440709.553	670.23	673.18	55.30	50.2-55.2	New
MG-06	Water Table	1	1029024.159	1440663.970	669.66	669.26	20.00	10-20	Existing
MW-09	Water Table	1	1028175.562	1440640.409	670.30	669.94	20.00	10-20	Existing
MW-10B	Water Table	--	--	--	--	--	10.00	5-10	Not Located
MW-11	Water Table	1	1027950.688	1440813.914	665.91	665.69	15.00	5-15	Existing
MW-12	Water Table	1	1028294.367	1440936.126	665.91	665.75	15.00	5-15	Existing
RMW-01	Water Table	2	1028610.550	1440162.880	683.07	686.01	23.70	13.5-23.5	New
RMW-02	Water Table	2	1029038.558	1440286.920	687.05	686.99	28.90	18.7-28.7	New
RMW-03	Water Table	2	1029110.729	1440311.907	687.28	687.28	26.00	15.9-25.9	New
RMW-04	Water Table	2	1029230.121	1440347.654	686.69	686.41	25.10	14.9-24.9	New
RMW-05	Water Table	2	1028464.363	1440320.407	683.27	686.35	26.30	16.2-26.2	New
RMW-06	Water Table	2	1028584.436	1440373.681	681.77	684.56	23.90	13.7-23.7	New
RMW-06A	Intermediate	2	1028591.295	1440370.090	681.74	684.62	55.20	49.6-54.6	New
RMW-07	Water Table	2	1028796.459	1440345.889	683.55	686.61	25.10	15-25	New
RMW-08	Water Table	2	1028909.298	1440421.223	680.59	683.68	21.00	10.9-20.9	New
RMW-08A	Intermediate	2	1028911.330	1440414.925	680.57	683.49	75.60	65.4-75.4	New
RMW-09	Water Table	2	1028941.255	1440515.400	676.68	679.95	19.10	8.9-18.9	New
RMW-10	Water Table	2	1028692.186	1440534.661	682.29	685.15	25.00	14.8-24.8	New
RMW-10A	Intermediate	2	1028687.040	1440535.423	682.25	684.96	55.50	50.3-55.3	New
RMW-10B	Top of Rock	2	1028680.061	1440535.324	682.20	685.04	112.00	106.8-111.8	New
RMW-10C	Bedrock	2	1028674.501	1440535.071	682.02	684.97	123.00	118-123	New
RMW-11	Water Table	2	1028427.396	1440571.125	676.31	679.47	21.20	11.1-21.1	New
RMW-12	Water Table	2	1028275.287	1440436.454	677.86	680.98	22.40	12.2-22.2	New
RMW-13	Water Table	2	1028477.539	1440697.535	676.15	679.18	18.70	8.5-18.5	New
RMW-13A	Intermediate	2	1028482.191	1440699.214	675.96	678.96	55.50	50.3-55.3	New

Table 1
Monitoring Well Construction Summary

WELL ID	MONITORED INTERVAL	WELL DIAMETER (inches)	NORTHING	EASTING	GROUND SURFACE ELEVATION (ft msl)	TOP OF WELL CASING ELEVATION (ft msl)	TOTAL WELL DEPTH (ft bgs)	WELL SCREEN INTERVAL (ft bgs)	WELL STATUS
RMW-14	Water Table	2	1028591.034	1440764.739	678.10	681.12	21.20	11-21	New
RMW-14A	Intermediate	2	1028585.679	1440763.670	677.77	680.74	55.30	50.2-55.2	New
RMW-14B	Top of Rock	2	1028577.332	1440763.544	677.70	680.63	132.00	126.8-131.8	New
RMW-14C	Bedrock	2	1028572.418	1440762.328	677.76	681.16	142.80	137.8-142.8	New
RMW-15	Water Table	2	1028674.905	1440920.341	675.07	678.23	18.00	7.9-17.9	New
RMW-15A	Intermediate	2	1028676.740	1440915.254	675.05	678.09	74.90	64.8-74.8	New
RMW-15B	Top of Rock	2	1028679.677	1440902.676	675.33	678.15	150.00	144.8-149.8	New
RMW-16	Water Table	2	1028776.515	1440902.082	671.92	674.99	15.10	5-15	New
RMW-16A	Intermediate	2	1028774.560	1440905.068	671.79	674.90	55.00	49.8-54.8	New
RMW-16B	Top of Rock	2	1028771.464	1440908.769	671.90	674.62	107.00	101.8-106.8	New
RMW-16C	Bedrock	2	1028767.880	1440911.638	671.76	674.88	126.80	116.8-126.8	New
RMW-17	Water Table	2	1028781.464	1440765.901	674.16	676.99	17.00	6.8-16.8	New
RMW-17A	Intermediate	2	1028780.534	1440769.918	674.09	676.94	56.20	51-56	New
RMW-18	Water Table	2	1028999.353	1440138.400	685.95	688.96	25.20	15-25	New
RMW-18A	Intermediate	2	1029000.245	1440133.515	685.86	688.96	55.20	50-55	New
RMW-19	Water Table	2	1028759.696	1440210.184	685.35	688.23	26.10	15.9-25.9	New
RMW-19A	Intermediate	2	1028769.533	1440211.815	685.19	688.09	55.00	49.9-54.9	New
RMW-20	Water Table	2	1028872.996	1440257.536	684.53	687.45	23.20	13-23	New
RMW-20A	Intermediate	2	1028869.054	1440256.479	684.80	687.35	55.30	50.2-55.2	New
RMW-20B	Top of Rock	2	1028863.852	1440255.100	684.50	687.10	108.20	103-108	New
RMW-20C	Bedrock	2	1028857.563	1440254.491	687.26	687.26	118.80	113.8-118.8	New
RMW-21	Water Table	2	1028957.931	1440257.111	688.52	688.52	24.20	14-24	New
RMW-21A	Intermediate	2	1028963.108	1440258.520	688.56	688.56	55.20	50-55	New
RMW-22	Water Table	2	1028948.731	1440535.042	677.31	680.23	18.80	8.6-18.6	New
RMW-22A	Intermediate	2	1028952.199	1440546.337	677.68	680.53	55.20	50.1-55.1	New
RMW-23	Water Table	2	1028901.862	1440601.755	675.47	678.49	16.10	6-16	New
RMW-23A	Intermediate	2	1028899.181	1440604.209	675.06	677.94	55.30	50.1-55.1	New
RMW-23B	Top of Rock	2	1028896.445	1440610.401	674.50	677.88	92.00	86.8-91.8	New
RMW-23C	Bedrock	2	1028893.709	1440616.455	674.45	677.44	97.80	92.8-97.8	New
RMW-24	Water Table	2	1028796.827	1439999.369	683.04	686.14	26.00	15.1-25.1	New
RMW-25	Water Table	2	1029263.731	1439738.092	683.66	686.59	18.10	7.9-17.9	New
RMW-26	Water Table	2	1029024.434	1440437.373	682.52	685.19	24.40	14.2-24.2	New

Indicates Water Table Well
Indicates Intermediate Well
Indicates Top of Rock Well
Indicates Bedrock Well

Table 2
Groundwater Elevation Measurements - July 7 - 8, 2014

WELL NAME	TOP OF CASING ELEVATION (ft msl)	DEPTH TO WATER (ft BTC)	WATER LEVEL ELEVATION (ft msl)
DG-01	666.23	6.19	660.04
DG-03D	670.26	9.69	660.57
DG-03S	670.13	9.43	660.70
DG-05	669.35	8.02	661.33
DG-06	670.26	10.00	660.26
DG-06A	670.50	10.46	660.04
DG-06B	670.73	10.39	660.34
DG-06C	670.54	10.07	660.47
DG-07	667.43	7.58	659.85
MG-02	666.59	3.22	663.37
MG-05	669.77	5.98	663.79
MG-05A	673.18	8.48	664.70
MG-06	669.26	5.85	663.41
MW-09	669.94	8.80	661.14
MW-11	665.69	5.81	659.88
MW-12	665.75	5.18	660.57
RMW-01	686.01	20.26	665.75
RMW-02	686.99	19.89	667.10
RMW-03	687.28	20.49	666.79
RMW-04	686.41	19.65	666.76
RMW-05	686.35	21.69	664.66
RMW-06	684.56	19.46	665.10
RMW-06A	684.62	19.54	665.08
RMW-07	686.61	20.70	665.91
RMW-08	683.68	17.47	666.21
RMW-08A	683.49	17.50	665.99
RMW-09	679.95	14.51	665.44
RMW-10	685.15	20.22	664.93
RMW-10A	684.96	20.18	664.78
RMW-10B	685.04	20.61	664.43
RMW-10C	684.97	20.73	664.24
RMW-11	679.47	17.05	662.42
RMW-12	680.98	18.43	662.55
RMW-13	679.18	16.42	662.76
RMW-13A	678.96	16.79	662.17
RMW-14	681.12	17.85	663.27
RMW-14A	680.74	17.56	663.18
RMW-14B	680.63	18.86	661.77
RMW-14B	680.63	26.91[1]	653.72
RMW-14C	681.16	19.16	662.00
RMW-15	678.23	15.55	662.68
RMW-15A	678.09	15.64	662.45
RMW-15B	678.15	16.28	661.87
RMW-16	674.99	11.36	663.63
RMW-16A	674.90	11.37	663.53
RMW-16B	674.62	12.18	662.44
RMW-16C	674.88	12.38	662.50
RMW-17	676.99	13.14	663.85
RMW-17A	676.94	13.16	663.78
RMW-18	688.96	20.61	668.35
RMW-18A	688.96	20.54	668.42
RMW-19	688.23	22.02	666.21
RMW-19A	688.09	21.93	666.16
RMW-20	687.45	20.50	666.95
RMW-20A	687.35	20.52	666.83
RMW-20B	687.10	20.60	666.50
RMW-20C	687.26	20.93	666.33
RMW-21	688.52	21.40	667.12
RMW-21A	688.56	21.43	667.13
RMW-22	680.23	15.18	665.05
RMW-22A	680.53	14.84	665.69
RMW-23	678.49	13.59	664.90
RMW-23A	677.94	13.00	664.94
RMW-23A	677.94	12.92	665.02
RMW-23B	677.88	12.83	665.05
RMW-23B	677.88	12.97	664.91
RMW-23C	677.44	12.43	665.01
RMW-23C	677.44	12.54	664.90
RMW-24	686.14	19.72	666.42
RMW-25	686.59	14.73	671.86
RMW-26	685.19	18.98	666.21

[1] Water level was measured July 21, 2014.

Section 4
Groundwater Quality

4.1 Groundwater Sampling and Analysis

TRC conducted collection of representative groundwater samples from all new and existing monitoring wells during the period of July 9 - 23, 2014. The only outlier to this sampling effort was existing monitoring well MW-10B. This well was installed by others as a flush-mounted well located in a wooded area. The field team could not successfully locate this well during the sampling event. The monitoring well locations are illustrated on Figure 2. All groundwater sampling activities were conducted in accordance with the SC DHEC-approved *Site Assessment Sampling and Analysis Plan* (SAP) (TRC, March 2013).

The shallow wells were purged using a peristaltic pump. A variable-rate submersible Grundfos® Redi-Flo2® pump was used to purge the deeper wells. Field parameters, including pH, specific conductance, oxidation-reduction potential (ORP), dissolved oxygen (DO), and temperature, were measured and recorded in the field, during well purging. Following well purging, groundwater samples were collected for analysis using a decontaminated Teflon® bailer. Groundwater samples were subsequently packaged and shipped (under chain-of-custody documentation) to Shealy Environmental Services (Shealy) of West Columbia, South Carolina. Shealy subsequently analyzed the groundwater samples for VOCs via United States Environmental Protection Agency (USEPA) Method 8260.

Analytical results and field parameter measurements for the July 2014 sampling event are summarized on Table 3. Full documentation of Shealy analytical laboratory reports are provided in Appendix D.

Across the site, PCE, trichloroethene (TCE), and vinyl chloride (VC) were the only chlorinated volatile organic compounds (CVOCs) detected in the site groundwater at concentrations above South Carolina Maximum Contaminant Levels (MCLs). Benzene, ethylbenzene, and xylenes were also detected at concentrations above their respective MCLs in three of the shallow aquifer monitoring wells. As you review the data table summaries, you will note that other VOCs were detected during the sampling/analytical event, but not at concentrations above their respective MCLs.

PCE was found to be the most widespread and pervasive VOC detected in groundwater. Figure 7 through Figure 10 illustrate the lateral distribution of PCE in the shallow, intermediate, top of rock and bedrock zones, respectively. Plate 1 through Plate 3 provide three

hydrogeologic cross sections through the PCE plume areas illustrating TRC's interpretation of the vertical distribution of PCE within each aquifer zone. Cross-sections A-A' and B-B' run the full length of the "upgradient" and "downgradient" plumes, respectively. Cross-section C-C' was purposefully cut to run perpendicular to cross-sections A-A' and B-B'.

Consistent with previous groundwater investigations conducted at the site, TRC has discerned the presence of two discrete PCE plumes, each originating from a different source area underlying the former WPH manufacturing complex. Prior site investigations have indicated these subsurface source areas likely occurred as a consequence of ongoing releases from underground piping and floor drains. Former underground piping locations are depicted on Figure 7 through Figure 10. Both VOC plumes elongate in a southeastwardly direction toward Hartwell Lake. The highest concentrations of PCE in both plumes were observed within the intermediate depth interval (*i.e.*, 50 – 55 ft bls) monitoring wells.

4.2 Pore Water Sampling and Analysis

Previous pore water and surface water sampling conducted at the site indicated that site groundwater discharges to surface water of Hartwell Lake. As part of the 2014 site investigation, sediment pore water samples were collected from 11 locations along the Hartwell Lake shoreline to assess where along the shoreline VOCs may be discharging into the lake. Pore water sampling was performed in accordance with the *Sediment Pore Water and Surface Water Sampling Workplan* (TRC, 2013).

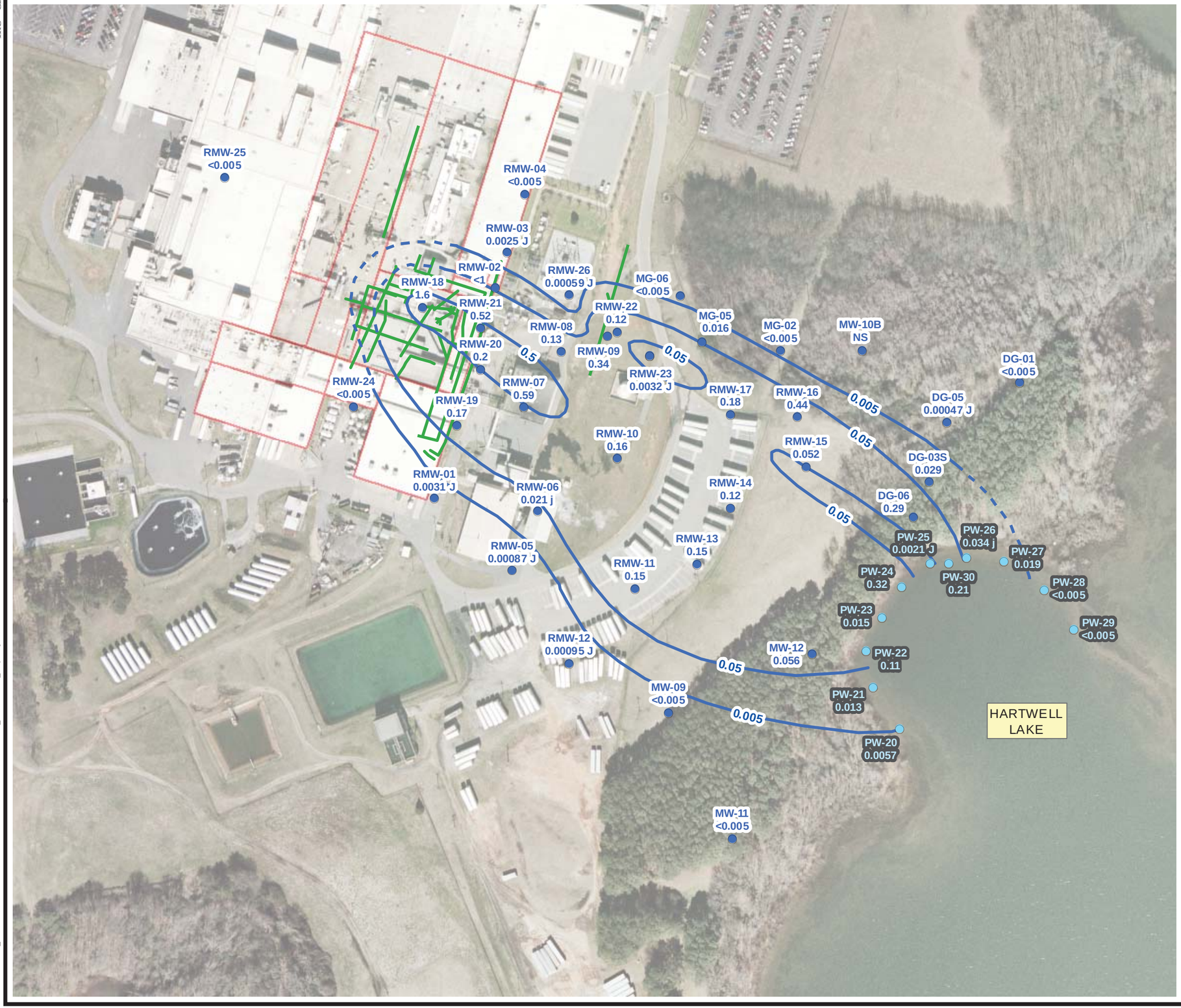
Sediment pore water samples were collected using a stainless steel MHE-PPX72 push-point sampler at each of the 11 locations illustrated on Figure 7. Samples were generally collected within 3 to 5 feet of the shoreline from a depth of approximately 18 inches below the sediment surface. A hand-held Global Positioning System (GPS) unit was used to document the horizontal position of each pore water sample.

Sediment pore water samples were packaged and shipped (under chain of custody documentation) to Shealy and analyzed for VOCs via USEPA SW-846 Method 8260.

Analytical results obtained for the pore water samples are summarized on Table 4. Full documentation for each of the analytical laboratory reports are provided in Appendix D.

PCE and/or TCE were detected in eight of the 11 pore water samples at concentrations above their respective MCLs. The observed distribution of PCE in these pore water samples has been integrated into the graphics of Figure 7. The observed concentrations of VOCs present in the pore water samples represent VOC concentrations from shallow groundwater that are believed to be discharging to the surface water. As illustrated on Figure 7, the observed concentrations

of PCE detected in the pore water are generally consistent with TRC's interpretation of the distribution of PCE observed in the shallow aquifer wells.



LEGEND

- PORE WATER SAMPLE LOCATON
- WATER TABLE MONITORING WELL
- PCE ISOCONCENTRATION CONTOUR (mg/L). DASHED WHERE INFERRED.
- FORMER UNDERGROUND PIPE
- FORMER BUILDING FOOTPRINT

NOTES

AERIAL PHOTOGRAPHY FROM OCONEE COUNTY, SC. MAY 2006

GROUNDWATER SAMPLES COLLECTED JULY 9-23, 2014. RMW-23 RESAMPLED AUGUST 12, 2014.

PORE WATER SAMPLES COLECTED AUGUST 12-14, 2014.

CONSTITUENT CONCENTRATIONS ARE POSTED IN mg/L.

PCE - TETRACHLOROETHENE

NS - NOT SAMPLED

LOCATIONS OF BUILDINGS AND OTHER STRUCTURES ARE FOR REFERENCE ONLY. FACILITY WAS DEMOLISHED 2008-2009.

0 200 400 Feet

1 " = 200 '

1:2,400

PROJECT:

WESTPOINT HOME, INC.
CLEMSON, SOUTH CAROLINA

SHEET TITLE:

FIGURE 7
TETRACHLOROETHENE DISTRIBUTION IN SHALLOW GROUNDWATER

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APPROVED BY:	WEBBS	DATE PRINTED:	
DATE:	OCTOBER 2014		

TRC

30 Patewood Drive
Patewood Plaza One, Suite 300
Greenville, SC 29615
Phone: 864.281.0030
www.trcsolutions.com

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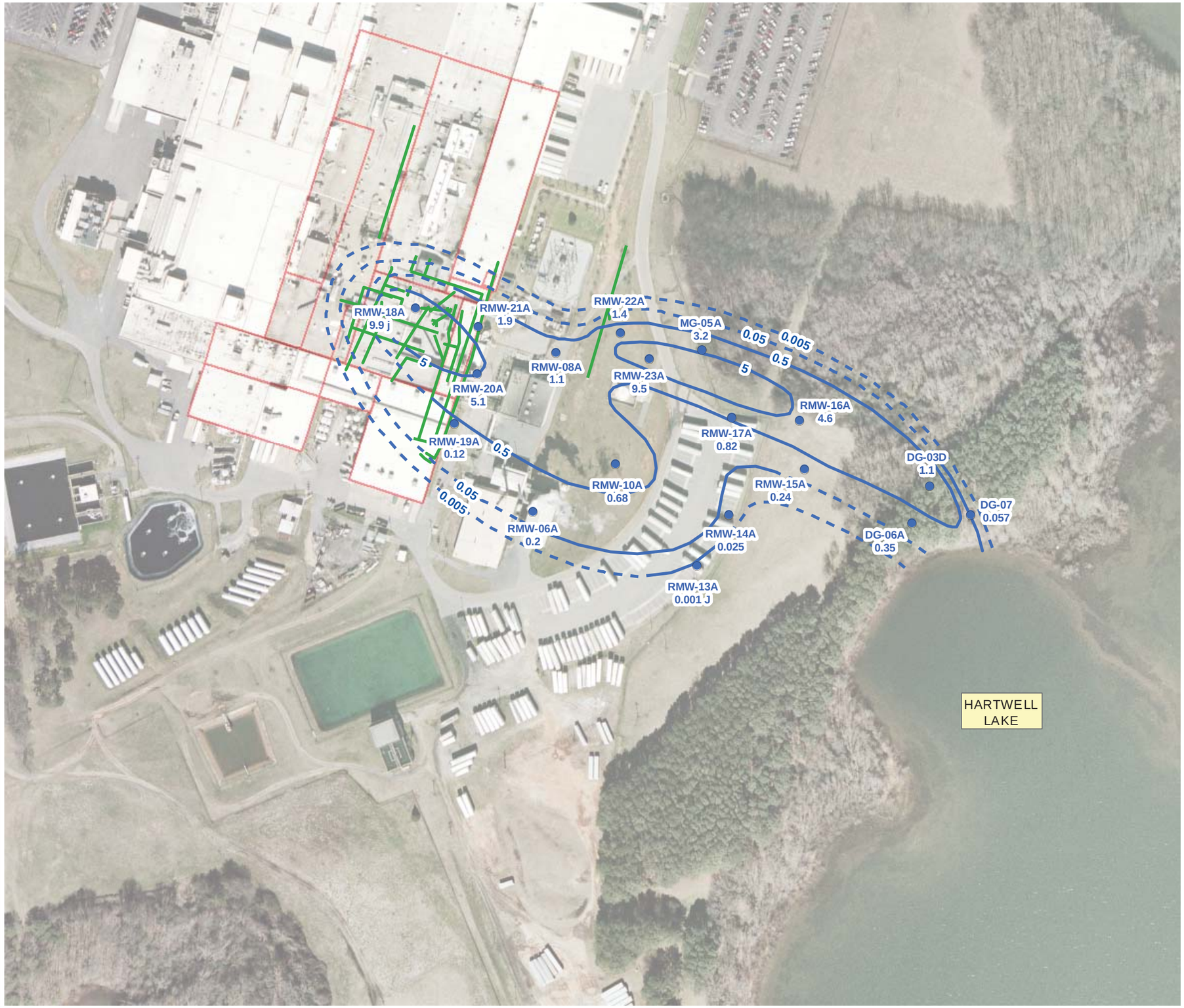
TRC - GIS



LEGEND

- INTERMEDIATE AQUIFER MONITORING WELL
- PCE ISOCONCENTRATION CONTOUR (mg/L). DASHED WHERE INFERRED.
- FORMER UNDERGROUND PIPE
- FORMER BUILDING FOOTPRINT

NOTES

AERIAL PHOTOGRAPHY FROM OCONEE COUNTY, SC. MAY 2006

GROUNDWATER SAMPLES COLLECTED JULY 9-23, 2014.

CONSTITUENT CONCENTRATIONS ARE POSTED IN mg/L.

PCE - TETRACHLOROETHENE

LOCATIONS OF BUILDINGS AND OTHER STRUCTURES ARE FOR REFERENCE ONLY. FACILITY WAS DEMOLISHED 2008-2009.

0 200 400 Feet

1 " = 200 '

1:2,400

PROJECT:

WESTPOINT HOME, INC.
CLEMSON, SOUTH CAROLINA

SHEET TITLE:

FIGURE 8
TETRACHLOROETHENE DISTRIBUTION IN INTERMEDIATE AQUIFER WELLS

DRAWN BY:	HERTZ T	SCALE:	PROJ. NO. 208464.0.0.4
CHECKED BY:	CLARK L	1: 2,400	FILE RICE_Intermediate_July-August2014.mxd
APPROVED BY:	WEBB S	DATE PRINTED:	
DATE:	OCTOBER 2014		

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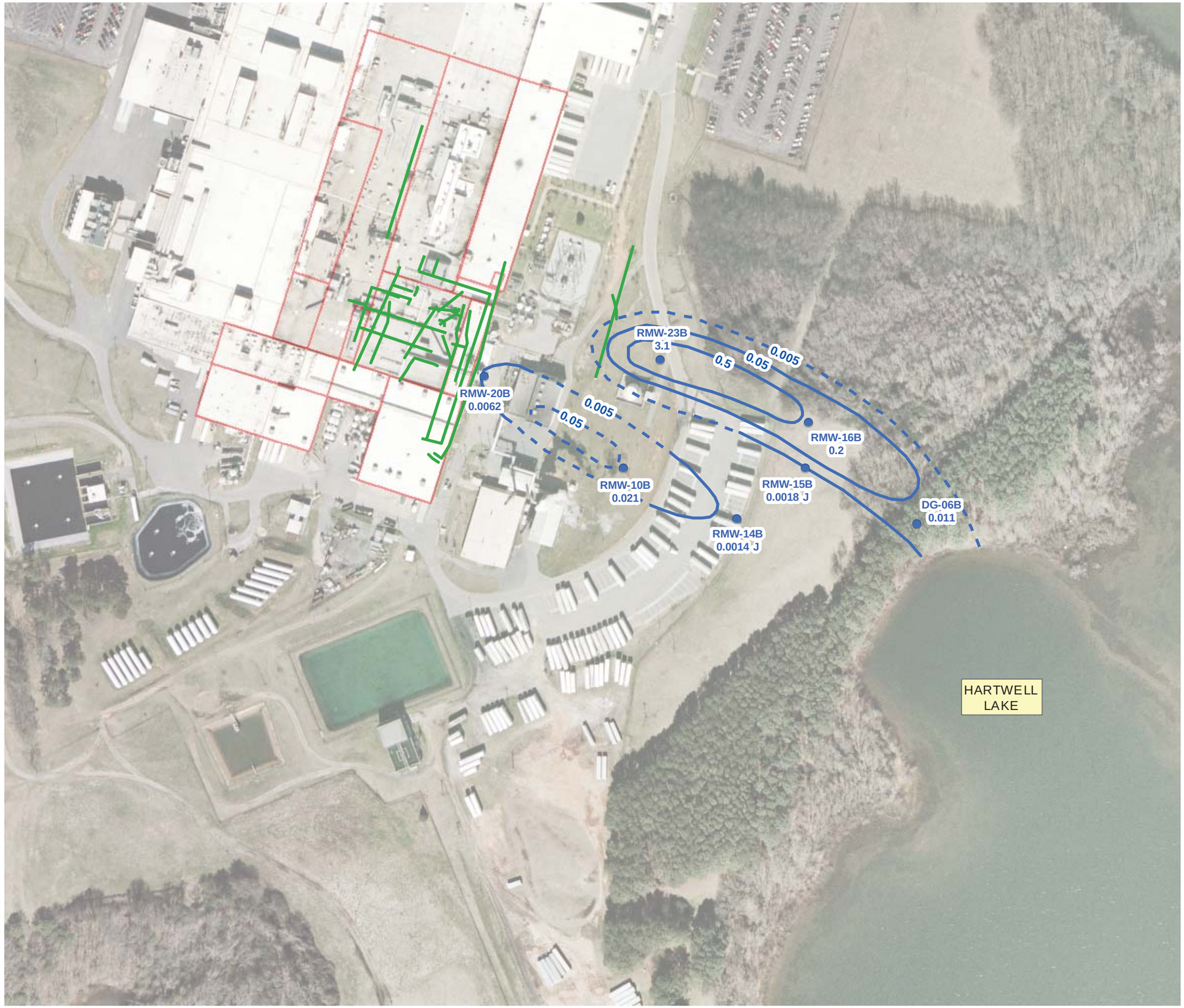
Map Rotation: 0



LEGEND

- TOP OF BEDROCK MONITORING WELL
- PCE ISOCONCENTRATION CONTOUR (mg/L). DASHED WHERE INFERRED.
- FORMER UNDERGROUND PIPE
- FORMER BUILDING FOOTPRINT

NOTES

AERIAL PHOTOGRAPHY FROM OCONEE COUNTY, SC. MAY 2006

GROUNDWATER SAMPLES COLLECTED JULY 9-23, 2014.

CONSTITUENT CONCENTRATIONS ARE POSTED IN mg/L.

PCE - TETRACHLOROETHENE

LOCATIONS OF BUILDINGS AND OTHER STRUCTURES ARE FOR REFERENCE ONLY. FACILITY WAS DEMOLISHED 2008-2009.

0 200 400 Feet

1 " = 200 '

1:2,400

PROJECT:

WESTPOINT HOME, INC.
CLEMSON, SOUTH CAROLINA

SHEET TITLE:

FIGURE 9
TETRACHLOROETHENE DISTRIBUTION IN TOP OF BEDROCK WELLS

DRAWN BY:	HERTZ T	SCALE:	PROJ. NO. 208464.0.0.4
CHECKED BY:	CLARK L	1: 2,400	FILE NAME: PCE_Top of Rock_July-August2014.mxd
APPROVED BY:	WEBBS	DATE PRINTED:	
DATE:	OCTOBER 2014		

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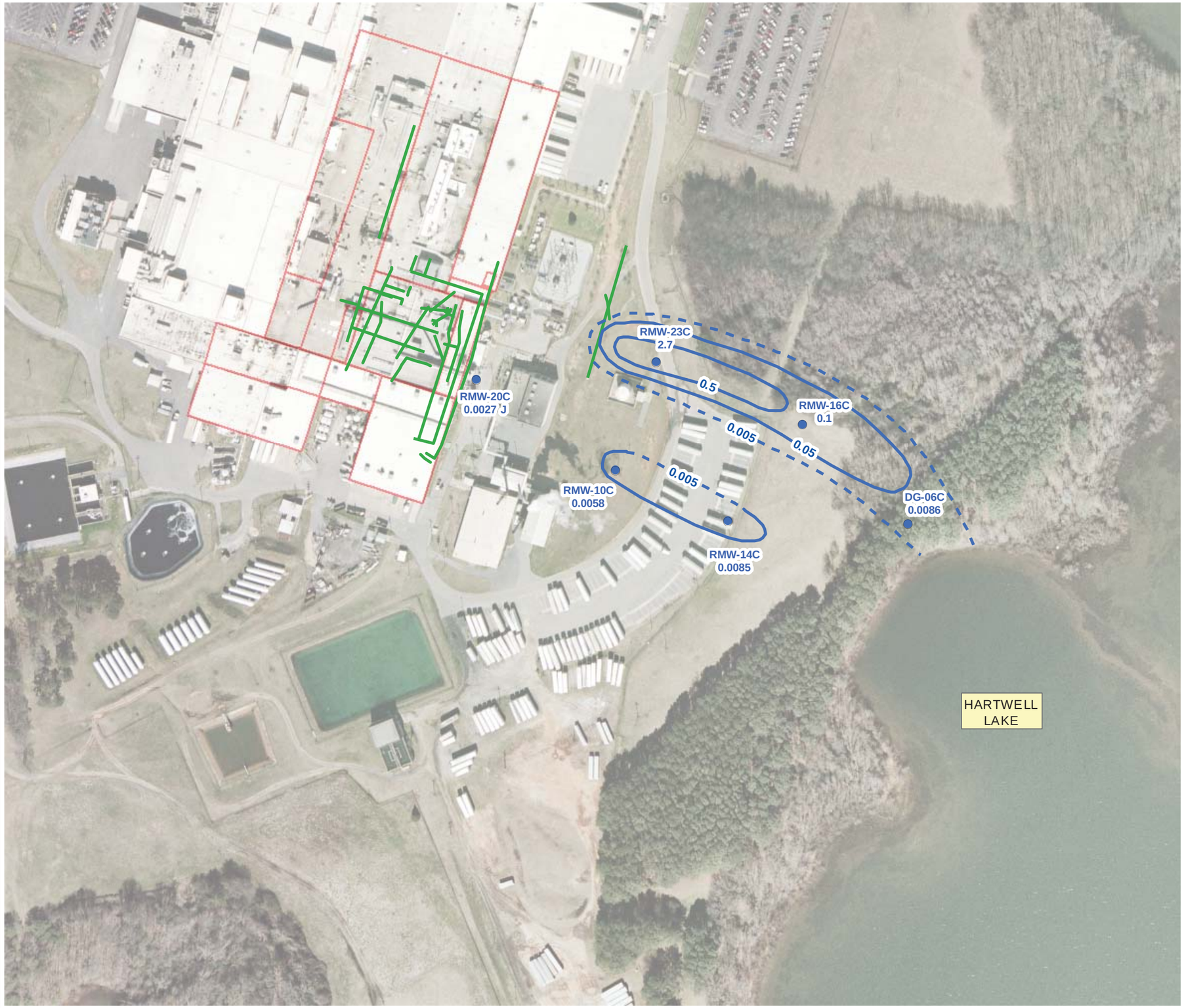
TRC - GIS



LEGEND

- BEDROCK MONITORING WELL
- PCE ISOCONCENTRATION CONTOUR (mg/L). DASHED WHERE INFERRED.
- FORMER UNDERGROUND PIPE
- FORMER BUILDING FOOTPRINT

NOTES

AERIAL PHOTOGRAPHY FROM OCONEE COUNTY, SC. MAY 2006

GROUNDWATER SAMPLES COLLECTED JULY 9-23, 2014.

CONSTITUENT CONCENTRATIONS ARE POSTED IN mg/L.

PCE - TETRACHLOROETHENE

LOCATIONS OF BUILDINGS AND OTHER STRUCTURES ARE FOR REFERENCE ONLY. FACILITY WAS DEMOLISHED 2008-2009.

N

0 200 400 Feet

1 " = 200 '

1:2,400

PROJECT:

WESTPOINT HOME, INC.
CLEMSON, SOUTH CAROLINA

SHEET TITLE:

FIGURE 10
TETRACHLOROETHENE DISTRIBUTION IN BEDROCK WELLS

DRAWN BY:	HERTZ T	SCALE:	PROJ. NO. 208464.0.0.4
CHECKED BY:	CLARK L	1: 2,400	FILE NO. PCE_Bedrock_July-August2014.mxd
APPROVED BY:	WEBB S	DATE PRINTED:	
DATE:	OCTOBER 2014		

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TRC - GIS
Coordinate System: NAD 1983 StatePlane South Carolina FIPS 3900 Feet (Foot US)
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Table 3
Summary of Groundwater Quality Data - July 2014

PARAMETER[1]	MCL[2]	SAMPLE LOCATION/DATE															
		DG-01 07/23/14	DG-03D 07/18/14	DG-03S 07/18/14	DG-05 07/23/14	DG-06 07/14/14	DG-06A 07/18/14	DG-06B 07/18/14	(DU-14303) DG-06B 07/18/14	DG-06C 07/18/14	DG-07 07/18/14	MG-02 07/22/14	MG-05 07/14/14	MG-05A 07/22/14	MG-06 07/22/14	MW-09 07/23/14	MW-11 07/23/14
Volatile Organic Compounds																	
1,1,2-Trichloro-1,2,2-trifluoroethane	--	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
1,1-Dichloroethane	--	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	**0.00089 J**	<0.25	<0.005	<0.005	<0.005
1,1-Dichloroethene	0.007	<0.005	**0.0053 J**	**0.00066 J**	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	**0.0067**	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	0.6	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
1,2-Dichloroethane	0.005	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
1,2-Dichloropropane	0.005	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
2-Hexanone	--	<0.01	<0.1	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.01	<0.01
4-Methyl-2-pentanone	--	<0.01	<0.1	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.01	<0.01
Benzene	0.005	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
Bromodichloromethane	0.08[3]	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	**0.0044 J**	**0.004 J**	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
Carbon disulfide	--	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	**0.00065 J**	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
Carbon tetrachloride	0.005	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	**0.00065 J**	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
Chloroform	0.08[3]	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	**0.035**	**0.032**	**0.0023 J**	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
cis -1,2-Dichloroethene	0.07	<0.005	<0.05	<0.005	<0.005	**0.012 J**	**0.011 J**	<0.005	<0.005	<0.005	**0.0008 J**	<0.005	**0.0052**	<0.25	<0.005	<0.005	<0.005
Cyclohexane	--	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
Ethylbenzene	0.7	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
Isopropylbenzene	--	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
Methyl tert-butyl ether	--	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
Methylcyclohexane	--	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
Tetrachloroethene	0.005	<0.005	**1.1**	**0.029**	**0.00047 J**	**0.29**	**0.35**	**0.011**	**0.01**	**0.0086**	**0.057**	<0.005	**0.016**	**3.2**	<0.005	<0.005	<0.005
Trichloroethene	0.005	<0.005	<0.05	<0.005	<0.005	**0.0016 J**	**0.0064 J**	<0.005	<0.005	<0.005	**0.00094 J**	<0.005	**0.0028 J**	<0.25	<0.005	<0.005	<0.005
Trichlorofluoromethane	--	<0.005	**0.019 J**	**0.0036 J**	**0.0036 J**	**0.011 J**	**0.0055 J**	<0.005	<0.005	<0.005	**0.047**	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
Vinyl chloride	0.002	<0.002	<0.02	<0.002	<0.002	<0.01	<0.01	<0.002	**0.00013 J**	<0.002	<0.002	<0.002	<0.002	<0.1	<0.002	<0.002	<0.002
Xylenes, total	10	<0.005	<0.05	<0.005	<0.005	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.005
Field Parameters																	
DO	--	3.17	3.26	4.65	0.68	1.74	0.25	2.59	NA	5.65	6.43	0.76	4.36	4.44	1.66	3.74	5.69
ORP (mV)	--	274	200	262	284	274	-133	79	NA	53	180	213	336	97	161	334	235
pH (s.u.)	--	5.13	5.07	4.38	4.70	5.02	11.17	6.11	NA	9.01	6.57	4.97	4.52	6.49	4.69	4.81	4.57
Specific Conductance (µmhos/cm @ 25°C)	--	31	48	41	53	73	367	139	NA	140	84	41	69	329	68	24	24
Temperature (°C)	--	16.99	17.62	17.24	16.98	18.26	19.29	18.68	NA	19.04	17.32	18.30	21.08	20.42	18.96	18.45	17.88
Turbidity (ntu)	--	3.89	0	5.92	0.10	28.1	0	255	NA	0	4.72	70.1	157	30.7	42.3	15.4	73.0

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(3) The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j Concentration considered an estimate based on data validation.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 3
Summary of Groundwater Quality Data - July 2014

PARAMETER[1]	MCL[2]	SAMPLE LOCATION/DATE															
		MW-12 07/23/14	RMW-01 07/09/14	RMW-02 07/09/14	RMW-03 07/09/14	RMW-04 07/09/14	RMW-05 07/09/14	RMW-06 07/10/14	(DU-14301) RMW-06 7/10/2014	RMW-06A 07/21/14	RMW-07 07/09/14	RMW-08 07/10/14	RMW-08A 07/22/14	RMW-09 07/10/14	RMW-10 07/10/14	RMW-10A 07/17/14	RMW-10B 07/17/14
Volatile Organic Compounds																	
1,1,2-Trichloro-1,2,2-trifluoroethane	--	<0.005	<0.005	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	**0.0003 J**	<0.05	<0.005
1,1-Dichloroethane	--	<0.005	<0.005	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	**0.00076 J**	<0.1	<0.025	<0.005	<0.05	<0.005
1,1-Dichloroethene	0.007	<0.005	**0.00058 J**	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
1,2-Dichlorobenzene	0.6	<0.005	<0.005	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
1,2-Dichloroethane	0.005	<0.005	**0.0019 J**	<1	<0.005	<0.005	**0.0027 J**	<0.005	<0.005	**0.0023 J**	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
1,2-Dichloropropane	0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
2-Hexanone	--	<0.01	<0.01	<2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.2	<0.05	<0.01	<0.1	<0.01
4-Methyl-2-pentanone	--	<0.01	<0.01	<2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.2	<0.05	<0.01	<0.1	**0.0019 J**
Benzene	0.005	<0.005	<0.005	<1	**0.00034 J**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
Bromodichloromethane	0.08[3]	<0.005	<0.005	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
Carbon disulfide	--	<0.005	<0.005	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	**0.0014 J**
Carbon tetrachloride	0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
Chloroform	0.08[3]	<0.005	<0.005	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	**0.0032 J**
cis -1,2-Dichloroethene	0.07	<0.005	<0.005	<1	**0.00023 J**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	**0.017**	<0.1	**0.0073 J**	<0.005	<0.05	<0.005
Cyclohexane	--	<0.005	<0.005	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
Ethylbenzene	0.7	<0.005	<0.005	**11**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
Isopropylbenzene	--	<0.005	<0.005	<1	**0.001 J**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
Methyl tert-butyl ether	--	<0.005	<0.005	<1	<0.005	<0.005	**0.00045 J**	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
Methylcyclohexane	--	<0.005	<0.005	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
Tetrachloroethene	0.005	**0.056**	**0.0031 J**	<1	**0.0025 J**	<0.005	**0.00087 J**	**0.021 j**	**0.014 j**	**0.2**	**0.59**	**0.13**	**1.1**	**0.34**	**0.16**	**0.68**	**0.021**
Trichloroethene	0.005	<0.005	<0.005	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	**0.0039 J**	<0.1	<0.025	**0.00036 J**	<0.05	<0.005
Trichlorofluoromethane	--	<0.005	**0.0019 J**	<1	**0.0023 J**	**0.0031 J**	<0.005	<0.005	<0.005	**0.0016 J**	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
Vinyl chloride	0.002	<0.002	<0.002	<0.4	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.04	<0.01	<0.002	<0.02	<0.002
Xylenes, total	10	<0.005	<0.005	**32**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.1	<0.025	<0.005	<0.05	<0.005
Field Parameters																	
DO	--	3.37	0.41	0	0.04	0.85	6.23	3.35	NA	2.24	1.21	2.85	2.08	0.95	2.39	4.02	0
ORP (mV)	--	336	278	-192	169	262	183	315	NA	248	300	274	26	296	400	118	-44
pH (s.u.)	--	4.28	4.77	11.58	5.61	4.91	6.45	4.47	NA	4.39	4.80	4.74	6.19	4.71	3.41	5.69	6.55
Specific Conductance (µmhos/cm @ 25°C)	--	80	461	890	189	71	91	75	NA	33	84	174	209	110	1140	77	689
Temperature (°C)	--	17.42	21.04	21.69	21.75	21.97	22.38	21.32	NA	20.44	21.80	20.99	23.02	20.52	19.83	21.34	24.30
Turbidity (ntu)	--	228	4.49	3.42	11.9	6.4	26.1	0	NA	0	9.35	1.88	0	2.78	20.0	1.34	13.9

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(3) The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j Concentration considered an estimate based on data validation.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 3
Summary of Groundwater Quality Data - July 2014

PARAMETER[1]	MCL[2]	SAMPLE LOCATION/DATE															
		RMW-10C 07/17/14	RMW-11 07/14/14	RMW-12 07/14/14	RMW-13 07/14/14	RMW-13A 07/21/14	RMW-14 07/14/14	RMW-14A 07/21/14	RMW-14B 07/21/14	RMW-14C 07/21/14	RMW-15 07/14/14	RMW-15A 07/17/14	RMW-15B 07/17/14	RMW-16 07/14/14	RMW-16A 07/17/14	RMW-16B 07/16/14	(DU-14302) RMW-16B 07/14/14
Volatile Organic Compounds																	
1,1,2-Trichloro-1,2,2-trifluoroethane	--	<0.005	<0.005	<0.005	**0.00051 J**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
1,1-Dichloroethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
1,1-Dichloroethene	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
1,2-Dichlorobenzene	0.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
1,2-Dichloroethane	0.005	<0.005	**0.00095 J**	**0.0018 J**	**0.00063 J**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
1,2-Dichloropropane	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
2-Hexanone	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.1	<1	<0.01	<0.05
4-Methyl-2-pentanone	--	**0.0021 J**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.1	<1	<0.01	<0.05
Benzene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
Bromodichloromethane	0.08[3]	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
Carbon disulfide	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0024 J**	<0.005	<0.005	**0.0003 J**	<0.025	<0.005	<0.05	<0.5	**0.0006 J**	<0.025
Carbon tetrachloride	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
Chloroform	0.08[3]	**0.0053**	**0.0033 J**	<0.005	<0.005	**0.0017 J**	<0.005	**0.0089**	<0.005	<0.005	<0.005	**0.016 J**	**0.0038 J**	<0.05	<0.5	<0.005	<0.025
cis -1,2-Dichloroethene	0.07	<0.005	**0.00024 J**	<0.005	**0.00028 J**	<0.005	**0.00022 J**	<0.005	<0.005	<0.005	**0.00021 J**	<0.025	<0.005	**0.0081 J**	<0.5	<0.005	<0.025
Cyclohexane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
Ethylbenzene	0.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
Isopropylbenzene	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
Methyl tert-butyl ether	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
Methylcyclohexane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
Tetrachloroethene	0.005	**0.0058**	**0.15**	**0.00095 J**	**0.15**	**0.001 J**	**0.12**	**0.025**	**0.0014 J**	**0.0085**	**0.052**	**0.24**	**0.0018 J**	**0.44**	**4.6**	**0.2**	**0.19**
Trichloroethene	0.005	<0.005	**0.00037 J**	<0.005	**0.00046 J**	<0.005	<0.005	<0.005	<0.005	<0.005	**0.00058 J**	<0.025	<0.005	**0.085**	<0.5	**0.00056 J**	<0.025
Trichlorofluoromethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
Vinyl chloride	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.02	<0.2	<0.002	<0.01
Xylenes, total	10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.05	<0.5	<0.005	<0.025
Field Parameters																	
DO	--	3.91	4.37	7.37	6.78	3.71	3.59	5.44	3.32	6.49	0.27	2.83	0.02	0	3.84	1.52	NA
ORP (mV)	--	-25	310	269	310	149	313	280	45	49	294	107	-227	524	58	-77	NA
pH (s.u.)	--	9.38	4.20	4.94	4.27	5.96	4.03	4.95	6.91	8.97	4.64	6.07	8.90	4.58	6.30	7.29	NA
Specific Conductance (µmhos/cm @ 25°C)	--	130	198	45	185	114	304	768	152	149	108	314	189	142	107	203	NA
Temperature (°C)	--	20.74	20.32	19.54	20.34	21.25	20.09	20.88	21.77	20.31	18.34	19.79	21.38	19.61	19.27	23.89	NA
Turbidity (ntu)	--	31.3	7.40	0	1.81	1.42	0	0	129	0	0	4.74	99.6	19.5	2.22	0	NA

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(3) The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j Concentration considered an estimate based on data validation.

NA - Not analyzed.

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Table 3
Summary of Groundwater Quality Data - July 2014

PARAMETER[1]	MCL[2]	SAMPLE LOCATION/DATE															
		RMW-16C 7/16/2014	RMW-17 07/14/14	RMW-17A 07/22/14	RMW-18 07/09/14	RMW-18A 07/22/14	(DU-14304) RMW-18A 07/22/14	RMW-19 07/09/14	RMW-19A 07/21/14	RMW-20 07/09/14	RMW-20A 07/15/14	RMW-20B 07/15/14	RMW-20C 07/15/14	RMW-21 07/09/14	RMW-21A 07/15/14	RMW-22 07/10/14	RMW-22A 07/16/14
Volatile Organic Compounds																	
1,1,2-Trichloro-1,2,2-trifluoroethane	--	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	**0.082 J**	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
1,1-Dichloroethane	--	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	**0.0017 J**	<0.1
1,1-Dichloroethene	0.007	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
1,2-Dichlorobenzene	0.6	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
1,2-Dichloroethane	0.005	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
1,2-Dichloropropane	0.005	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
2-Hexanone	--	<0.01	<0.05	<0.2	<0.2	<1	<1	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.05	<0.2	<0.01	<0.2
4-Methyl-2-pentanone	--	<0.01	<0.05	<0.2	<0.2	<1	<1	<0.01	<0.01	<0.01	<1	<0.01	<0.01	<0.05	<0.2	<0.01	<0.2
Benzene	0.005	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	**0.00022 J**	<0.1
Bromodichloromethane	0.08[3]	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
Carbon disulfide	--	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	**0.0012 J**	<0.005	<0.5	<0.005	**0.00042 J**	<0.025	<0.1	<0.005	<0.1
Carbon tetrachloride	0.005	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
Chloroform	0.08[3]	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	**0.0019 J**	**0.0083**	<0.005	<0.5	<0.005	**0.0041 J**	<0.025	<0.1	<0.005	<0.1
cis -1,2-Dichloroethene	0.07	<0.005	**0.005 J**	<0.1	**0.025 J**	<0.5	<0.5	<0.005	<0.005	**0.00024 J**	<0.5	<0.005	<0.005	<0.025	<0.1	**0.012**	<0.1
Cyclohexane	--	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
Ethylbenzene	0.7	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
Isopropylbenzene	--	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
Methyl tert-butyl ether	--	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
Methylcyclohexane	--	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
Tetrachloroethene	0.005	**0.1**	**0.18**	**0.82**	**1.6**	**9.9 j**	**4 j**	**0.17**	**0.12**	**0.2**	**5.1**	**0.0062**	**0.0027 J**	**0.52**	**1.9**	**0.12**	**1.4**
Trichloroethene	0.005	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	**0.00037 J**	<0.005	**0.0005 J**	<0.5	<0.005	<0.005	**0.0015 J**	**0.011 J**	**0.003 J**	<0.1
Trichlorofluoromethane	--	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	**0.0046 J**	**0.017**	**0.00055 J**	<0.5	**0.00052 J**	<0.005	<0.025	<0.1	<0.005	<0.1
Vinyl chloride	0.002	<0.002	<0.01	<0.04	<0.04	<0.2	<0.2	<0.002	<0.002	<0.002	<0.2	<0.002	**0.00011 J**	<0.01	<0.04	<0.002	<0.04
Xylenes, total	10	<0.005	<0.025	<0.1	<0.1	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.005	<0.005	<0.025	<0.1	<0.005	<0.1
Field Parameters																	
DO	--	1.67	0.85	0	3.03	3.18	NA	1.45	4.07	2.61	4.94	0	3.16	1.38	0	0.48	0.11
ORP (mV)	--	-21	324	385	190	272	NA	294	207	239	228	-183	-47	245	159	478	-8
pH (s.u.)	--	7.75	4.37	5.56	5.63	4.92	NA	4.26	5.34	4.92	5.29	7.53	10.47	5.10	4.82	4.36	7.49
Specific Conductance (µmhos/cm @ 25°C)	--	110	123	187	451	797	NA	77	68	119	50	218	341	186	1090	223	137
Temperature (°C)	--	21.95	18.54	19.49	21.45	23.31	NA	20.49	21.77	23.57	23.59	27.77	24.88	21.69	23.81	20.98	22.49
Turbidity (ntu)	--	0	8.87	0	3.16	0	NA	3.50	0	1.58	0	278	1.56	2.71	0	0.43	17.2

(1) Analytical results are reported in milligrams per liter (mg/L) unless otherwise noted. Only parameters detected in at least one sample at a concentration above the reporting limit are included in this summary table.

(2) Maximum Contaminant Level; 2012 Edition of the Drinking Water Standards and Health Advisories (USEPA, 2012).

(3) The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j Concentration considered an estimate based on data validation.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 3
Summary of Groundwater Quality Data - July 2014

PARAMETER[1]	MCL[2]	SAMPLE LOCATION/DATE						
		RMW-23 07/14/14	RMW-23A 07/16/14	RMW-23B 07/16/14	RMW-23C 07/16/14	RMW-24 07/10/14	RMW-25 07/10/14	RMW-26 07/10/14
Volatile Organic Compounds								
1,1,2-Trichloro-1,2,2-trifluoroethane	--	<0.005	<0.5	<0.1	<0.1	<0.005	<0.005	<0.005
1,1-Dichloroethane	--	<0.005	<0.5	<0.1	<0.1	<0.005	<0.005	**0.012**
1,1-Dichloroethene	0.007	<0.005	<0.5	<0.1	<0.1	<0.005	<0.005	**0.0047 J**
1,2-Dichlorobenzene	0.6	<0.005	<0.5	<0.1	<0.1	**0.0059**	<0.005	<0.005
1,2-Dichloroethane	0.005	<0.005	<0.5	<0.1	<0.1	**0.004 J**	<0.005	<0.005
1,2-Dichloropropane	0.005	<0.005	<0.5	<0.1	<0.1	**0.00036 J**	<0.005	<0.005
2-Hexanone	--	<0.01	<1	<0.2	<0.2	**0.011**	<0.01	<0.01
4-Methyl-2-pentanone	--	<0.01	<1	<0.2	<0.2	<0.01	<0.01	<0.01
Benzene	0.005	<0.005	<0.5	<0.1	<0.1	**0.016**	<0.005	**0.0064**
Bromodichloromethane	0.08[3]	<0.005	<0.5	<0.1	<0.1	<0.005	<0.005	<0.005
Carbon disulfide	--	<0.005	<0.5	<0.1	<0.1	<0.005	<0.005	<0.005
Carbon tetrachloride	0.005	<0.005	<0.5	<0.1	<0.1	<0.005	<0.005	<0.005
Chloroform	0.08[3]	<0.005	<0.5	<0.1	<0.1	<0.005	<0.005	<0.005
cis -1,2-Dichloroethene	0.07	**0.00079 J**	<0.5	<0.1	<0.1	<0.005	<0.005	**0.0021 J**
Cyclohexane	--	<0.005	<0.5	<0.1	<0.1	**0.048**	<0.005	<0.005
Ethylbenzene	0.7	<0.005	<0.5	<0.1	<0.1	<0.005	<0.005	<0.005
Isopropylbenzene	--	<0.005	<0.5	<0.1	<0.1	**0.026**	<0.005	**0.0029 J**
Methyl tert-butyl ether	--	<0.005	<0.5	<0.1	<0.1	<0.005	<0.005	<0.005
Methylcyclohexane	--	<0.005	<0.5	<0.1	<0.1	**0.014**	<0.005	<0.005
Tetrachloroethene	0.005	**0.0032 J**	**9.5**	**3.1**	**2.7**	<0.005	<0.005	**0.00059 J**
Trichloroethene	0.005	<0.005	<0.5	**0.0091 J**	<0.1	**0.00037 J**	<0.005	**0.0019 J**
Trichlorofluoromethane	--	<0.005	<0.5	<0.1	<0.1	<0.005	<0.005	<0.005
Vinyl chloride	0.002	<0.002	<0.2	<0.04	<0.04	<0.002	<0.002	**0.0045**
Xylenes, total	10	<0.005	<0.5	<0.1	<0.1	**0.0069**	<0.005	<0.005
Field Parameters								
DO	--	1.26	0.46	0.80	2.87	0	7.26	0
ORP (mV)	--	274	147	-243	-6	-124	326	182
pH (s.u.)	--	5.05	5.92	7.96	9.25	6.71	4.76	5.71
Specific Conductance (µmhos/cm @ 25°C)	--	160	135	278	153	1550	57	467
Temperature (°C)	--	19.97	22.21	21.43	25.52	20.92	19.13	21.96
Turbidity (ntu)	--	19.5	0	26.4	0	4.25	0	2.47

(1) Analytical results are reported in milligrams per liter (mg/L) unless otherwise noted. Only parameters detected in at least one sample at a concentration above the reporting limit are included in this summary table.
(2) Maximum Contaminant Level; 2012 Edition of the Drinking Water Standards and Health Advisories (USEPA, 2012).
(3) The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.
J Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
j Concentration considered an estimate based on data validation.
NA - Not analyzed.
Bolding indicates constituent detection.
Shading indicates concentration exceeds comparison criteria.

Table 4
Summary of Pore Water Sampling Results

PARAMETER[1]	MCL[2]	SAMPLE LOCATION/DATE											
		PW-20 08/13/14	PW-21 08/13/14	PW-22 08/13/14	PW-23 08/13/14	PW-24 08/13/14	PW-25 08/12/14	PW-26 08/14/14	(DU-14306) PW-26 08/14/14	PW-27 08/14/14	PW-28 08/14/14	PW-29 08/14/14	PW-30 08/12/14
Volatile Organic Compounds													
1,1,2-Trichloro-1,2,2-trifluoroethane	--	<0.005	<0.005	**0.0003 J**	<0.005	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	--	<0.005	<0.005	<0.005	<0.005	<0.025	**0.00063 J**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis -1,2-Dichloroethene	0.07	<0.005	**0.0026 J**	**0.018**	<0.005	**0.012 J**	**0.0007 J**	<0.005	<0.005	<0.005	<0.005	<0.005	**0.00038 J**
Tetrachloroethene	0.005	**0.0057**	**0.013**	**0.11**	**0.015**	**0.32**	**0.0021 J**	**0.034 j**	**0.05**	**0.019**	<0.005	<0.005	**0.21**
Trichloroethene	0.007	<0.005	**0.0024 J**	**0.0054**	**0.00078 J**	**0.053**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.00036 J**
Trichlorofluoromethane	--	<0.005	<0.005	<0.005	<0.005	<0.025	**0.015**	**0.0064**	**0.0086**	**0.015**	<0.005	<0.005	**0.013**
Field Parameters													
Specific Conductance (µmhos/cm @ 25°C)	--	43	102	237	567	311	58	146	NA	126	289	359	73
pH (s.u.)	--	4.78	5.31	4.92	4.11	4.83	4.49	4.74	NA	5.00	5.27	5.50	4.43
Temperature (°C)	--	32.83	32.69	31.97	33.53	30.13	24.98	28.14	NA	31.69	30.12	33.75	27.95

(1) Analytical results are reported in milligrams per liter (mg/L) unless otherwise noted. Only parameters detected in at least one sample at a concentration above the reporting limit are included in this summary table.

(2) Maximum Contaminant Level; 2012 Edition of the Drinking Water Standards and Health Advisories (USEPA, 2012).

(3) The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

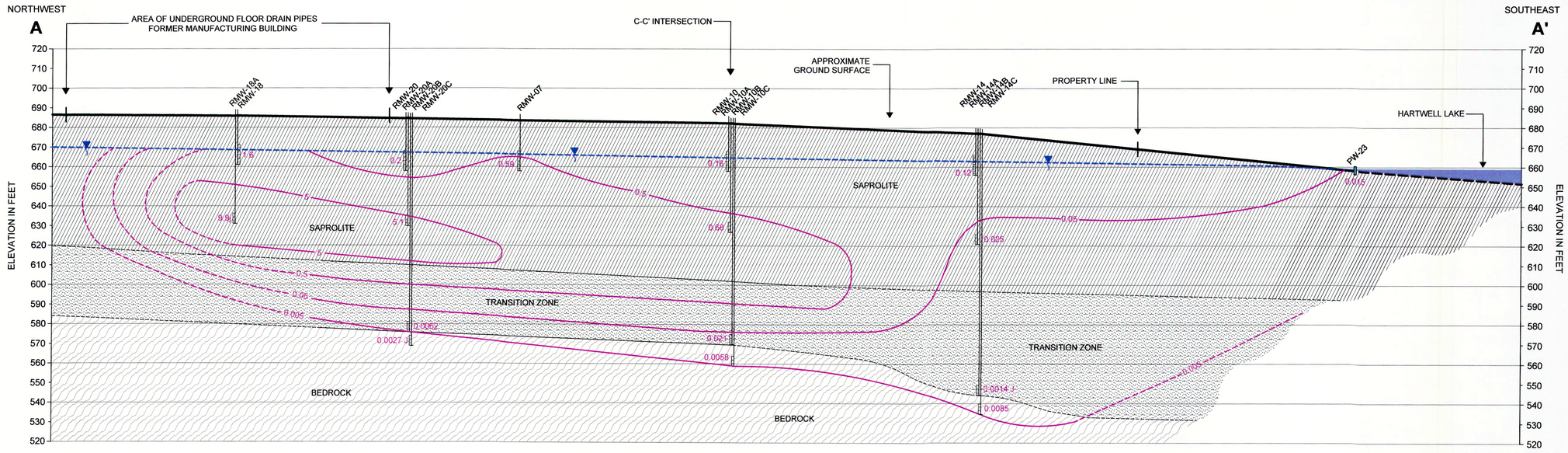
J Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j Concentration considered an estimate based on data validation.

NA Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.



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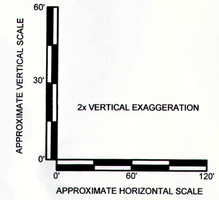

LEGEND

- SAPROLITE
- TRANSITION ZONE
- BEDROCK
- WELL
- WELL SCREEN
- 9.9 j — PCE IN GROUNDWATER SAMPLE CONCENTRATION IN mg/L
- 0.05 — PCE IN GROUNDWATER ISOCONTOUR
- WATER TABLE (JULY 7-8, 2014)

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PROJECT:
WESTPOINT HOME, INC.
CLEMSON, SOUTH CAROLINA

SHEET TITLE:
CROSS SECTION A-A'

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DATE:	SEPTEMBER 2014		

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864.281.0030

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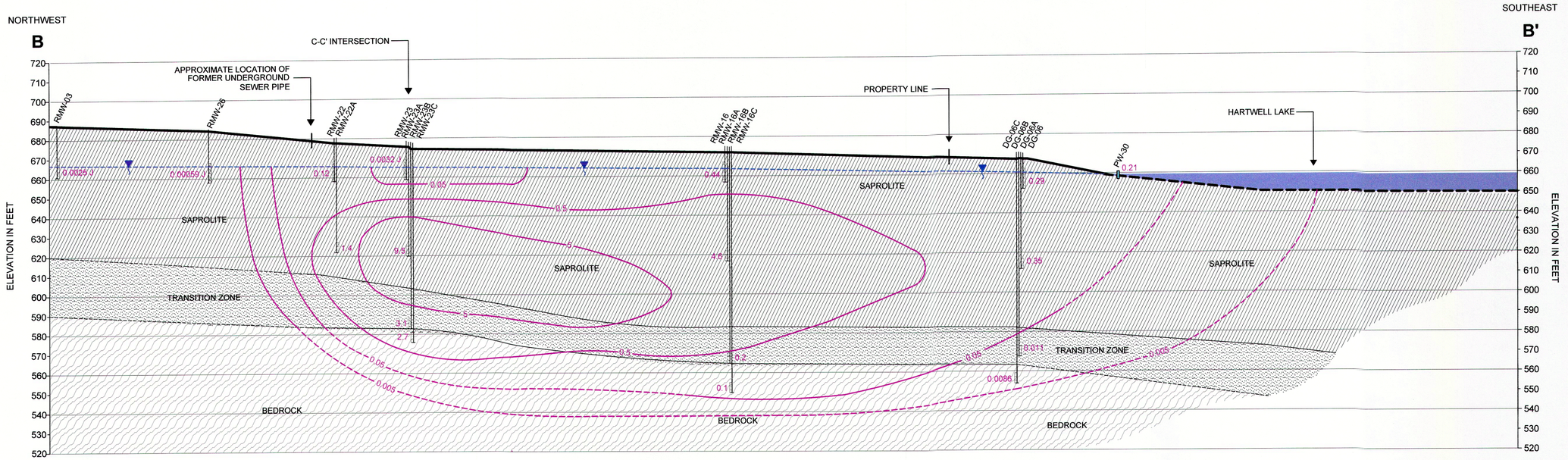

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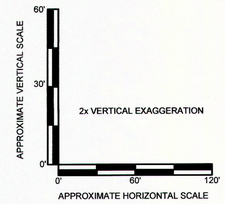

LEGEND

- SAPROLITE
- TRANSITION ZONE
- BEDROCK
- WELL
- WELL SCREEN
- 9.9 j — PCE IN GROUNDWATER SAMPLE CONCENTRATION IN mg/L
- 0.05 — PCE IN GROUNDWATER ISOCONTOUR
- WATER TABLE (JULY 7-8, 2014)

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SHEET TITLE: **CROSS SECTION B-B'**

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DATE:	SEPTEMBER 2014		

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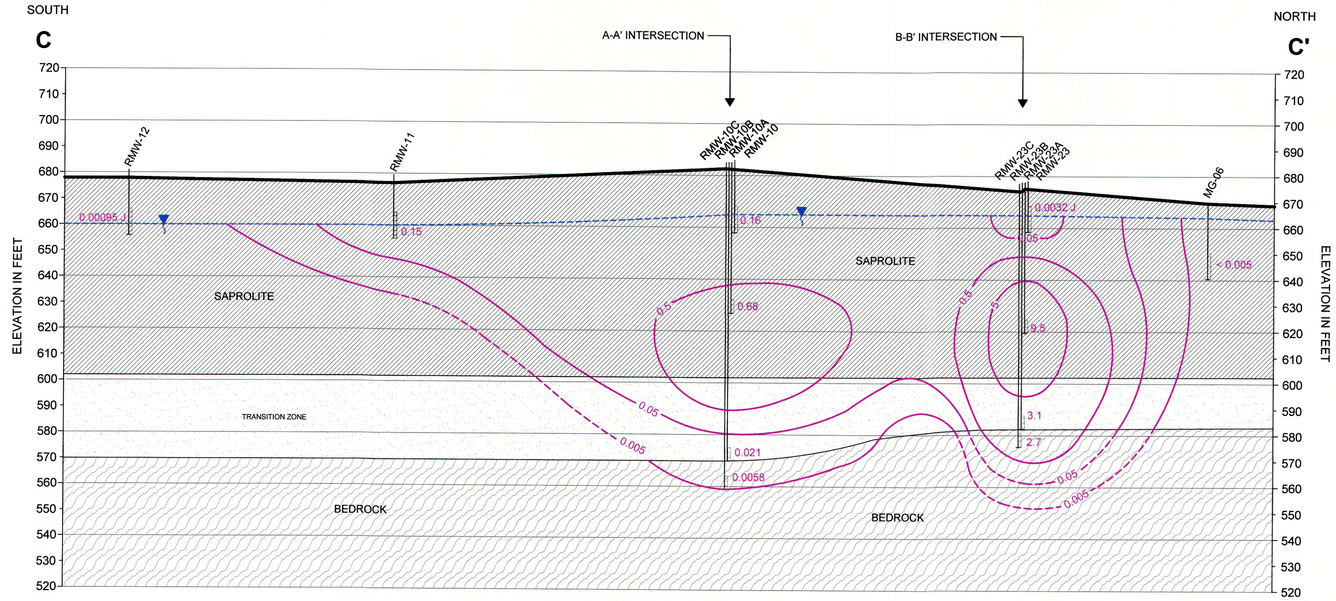
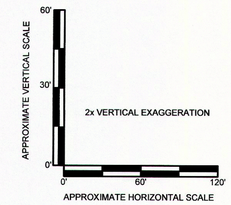


CROSS SECTION C - C'

LEGEND

- SAPROLITE
- TRANSITION ZONE
- BEDROCK
- WELL
- WELL SCREEN
- 9.9 j — PCE IN GROUNDWATER SAMPLE CONCENTRATION IN mg/L
- 0.05 — PCE IN GROUNDWATER ISOCONTOUR
- WATER TABLE (JULY 7-8, 2014)



LISA CLARK REGISTERED No. 2182 SOUTH CAROLINA PROFESSIONAL GEOLOGIST

PROJECT: **WESTPOINT HOME, INC. CLEMSON, SOUTH CAROLINA**

SHEET TITLE: **CROSS SECTION C-C'**

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Greenville, SC 29615
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Section 5
Surface Water Quality

Near shore and offshore surface water samples were collected from the Hartwell Lake embayment to assess potential impacts to surface water quality resulting from the discharge of VOC-impacted groundwater. Near-shore surface water samples were collected from the same general location as the pore water samples.

Offshore surface water samples were collected approximately 40 feet out from the shoreline, perpendicular to their respective near shore sampling locations (see Figure 11). Where the water depth of an offshore sampling location was greater than 5 feet, two samples were taken, one at a depth approximately 2 feet below the water surface, and the other at approximately 1 foot above the lake bottom. When the water depth was less than 5 feet, one sample was taken at approximately 2 feet below the water surface. In cases where the water depth was less than 2 feet (*i.e.*, SW-20O, SW-28O and SW-29O), one sample was taken at the mid-point between the water surface and lake bottom.

Near-shore surface water samples were collected using a stainless steel scoop or glass cup attached to an extension rod. Offshore surface water samples were collected using a peristaltic pump with Teflon® tubing. Once the tubing had been filled, it was removed from the pump and the water within the tubing was allowed to drain into the sample bottles. Surface water samples were shipped to Shealy and analyzed for VOCs using USEPA SW-846 Method 8260. The pH, temperature, and specific conductance of the surface water were also measured and recorded during sampling.

Analytical results for the surface water samples are summarized on Table 5. Full documentation of the analytical laboratory reports developed by Shealy are provided in Appendix D.

PCE was detected in 4 of the 11 near shore samples at estimated concentrations below the analytical reporting limit. Two of the four concentrations detected exceeded the South Carolina Water Quality Criteria for protection of human health.

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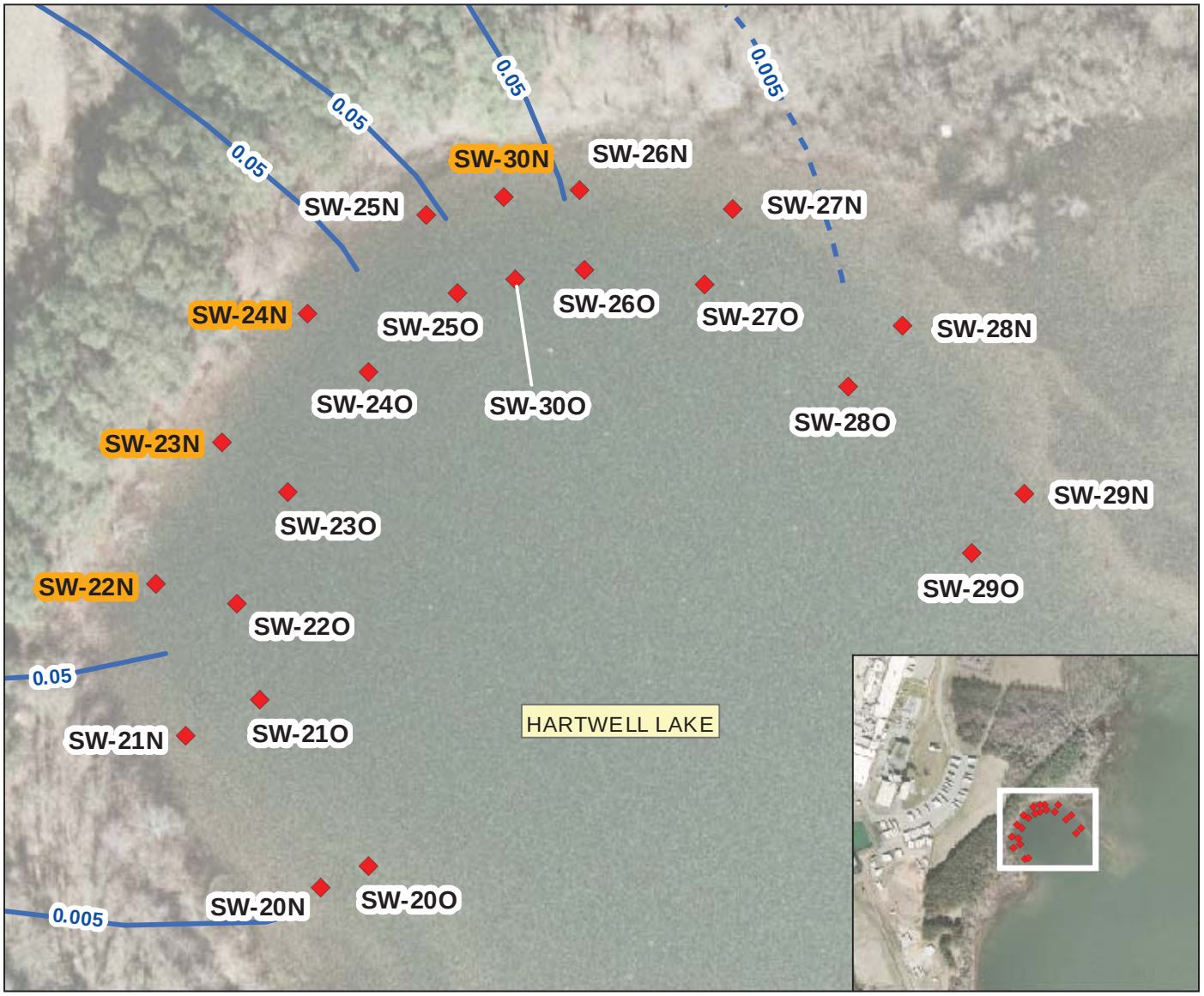

LEGEND

- SURFACE WATER SAMPLE LOCATION
- PCE ISOCONCENTRATION CONTOUR FROM SHALLOW GROUNDWATER (mg/L)

NOTES

AERIAL PHOTOGRAPHY FROM OCONEE COUNTY, SC.
MAY 2006

SURFACE WATER SAMPLES COLLECTED AUGUST 12-14, 2014.

ORANGE LABEL HALO INDICATES THAT TETRACHLOROETHENE WAS DETECTED AT AN ESTIMATED CONCENTRATION BELOW THE REPORTING LIMIT OF 0.005 mg/L.

SW-22N	0.00057 J	mg/L
SW-23N	0.00082 J	mg/L
SW-24N	0.00052 J	mg/L
SW-30N	0.00096 J	mg/L

N

0 80 160

Feet

TRC
Patewood Plaza One, Suite 300
30 Patewood Drive
Greenville, SC 29615-3535
Phone: 864-281-0030
FAX: 864-281-0288

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FIGURE 11
TETRACHLOROETHENE DISTRIBUTION IN SURFACE WATER

Drawn By:	TLH
Checked By:	LMC
Approved By:	SWW
Project No.:	208464.0.0.4
Date:	OCTOBER 2014

Table 5
Summary of Surface Water Sampling Results

PARAMETER[1]	SC WQC[2]	SAMPLE LOCATION/DEPTH/DATE[3]											
		SW-20N 08/13/14	SW-20O/0.5 08/14/14	SW-21N 08/13/14	SW-21O/2.0 08/14/14	SW-22N 08/13/14	SW-22O/2.0 08/14/14	SW-22O/7.5 08/14/14	SW-23N 08/13/14	SW-23O/2.0 08/14/14	SW-23O/7.5 08/14/14	SW-24N 08/13/14	SW-24O/2.0 08/14/14
Volatile Organic Compounds													
cis -1,2-Dichloroethene	0.07	<0.005	<0.005	<0.005	<0.005	**0.00024 J**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	0.00069	<0.005	<0.005	<0.005	<0.005	**0.00057 J**	<0.005	<0.005	**0.00082 J**	<0.005	<0.005	**0.00052 J**	<0.005
Trichlorofluoromethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Field Parameters													
Specific Conductance (µmhos/cm @ 25°C)	--	52	51	52	51	63	51	52	67	52	52	63	53
pH (s.u.)	--	6.93	6.43	6.85	6.12	6.70	6.57	6.30	6.66	6.76	6.56	6.70	7.06
Temperature (°C)	--	30.54	31.30	29.35	32.22	28.99	30.84	29.38	29.13	29.88	29.14	28.97	29.77

PARAMETER[1]	SC WQC[2]	SAMPLE LOCATION/DEPTH/DATE[3]											
		SW-24O/7.0 08/14/14	SW-25N 08/12/14	SW-25O/2.0 08/14/14	SW-25O/8.0 08/14/14	SW-26N 08/13/14	SW-26O/2.0 08/14/14	SW-26O/4.5 08/14/14	SW-27N 08/13/14	SW-27O/2.0 08/14/14	SW-28N 08/13/14	SW-28O/1.0 08/14/14	SW-29N 08/13/14
Volatile Organic Compounds													
cis -1,2-Dichloroethene	0.07	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	0.00069	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Field Parameters													
Specific Conductance (µmhos/cm @ 25°C)	--	52	70	53	53	233	52	53	58	53	62	53	56
pH (s.u.)	--	7.11	4.96	7.07	7.11	4.90	7.19	7.13	6.09	7.21	6.33	7.29	6.73
Temperature (°C)	--	29.80	33.55	30.62	29.25	26.69	31.05	30.18	28.26	30.99	28.11	31.39	28.00

PARAMETER[1]	SC WQC[2]	SAMPLE LOCATION/DEPTH/DATE(3)					
		(DU-14305) SW-29N 08/13/14	SW-29O/1.5 08/14/14	(DU-14307) SW-29 08/14/14	SW-30N 08/12/14	SW-30O/2.0 08/14/14	SW-30O/4.0 08/14/14
Volatile Organic Compounds							
cis -1,2-Dichloroethene	0.07	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	0.00069	<0.005	<0.005	<0.005	**0.00096 J**	<0.005	<0.005
Trichlorofluoromethane	--	<0.005	<0.005	<0.005	**0.0013 J**	<0.005	<0.005
Field Parameters							
Specific Conductance (µmhos/cm @ 25°C)	--	NA	55	NA	44	52	52
pH (s.u.)	--	NA	7.41	NA	5.15	7.13	7.13
Temperature (°C)	--	NA	29.90	NA	33.20	30.20	29.66

(1) Analytical results are reported in milligrams per liter (mg/L) unless otherwise noted.
Only parameters detected in at least one sample at a concentration above the reporting limit are included in this summary table.

(2) South Carolina water quality numeric criteria for the protection of human health (SC DHEC, 2012).

(3) Where sample depth is provided, it corresponds to feet below water surface. Sample designations with no depth were collected near shore from shallow water.

J Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

NA Not analyzed.

N indicates a near shore sample, O indicates and off shore sample.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Section 6
Conclusions and Recommendations

The following section provides TRC's summary conclusions and recommendations for future work, as derived from these 2014 site investigation activities.

6.1 Conclusions

TRC has successfully completed restoration of a more comprehensive groundwater monitoring well network at the site. This monitoring well network now includes more definitive coverage and delineation of the vertical extent of the VOC plumes. Previously identified "data gaps" have now been addressed via installation of new monitoring wells at selected locations and well depth intervals.

Groundwater, pore water, and surface water quality data collected during the 2014 investigation, while more fully characterizing the nature and extent of the previously identified upgradient and downgradient VOC plumes, continue to indicate the presence of two discrete VOC plumes with a point of origin underlying the former manufacturing complex. With only one exception, TRC believes that the lateral and vertical extent of VOCs in the underlying groundwater has been adequately delineated.

PCE continues to represent the most prevalent and pervasive VOC detected in site groundwater. PCE from both the upgradient and downgradient VOC plumes appears to be discharging to the surface water of Hartwell Lake. While PCE was detected at low concentrations in some of the near-shore surface water samples, VOCs were not detected in any of the offshore samples collected from near the water surface and near the lake bottom.

Previous site investigations have identified underground piping from the former manufacturing complex as the likely source of VOCs detected in groundwater. No ongoing sources or impacted vadose zone soils have been identified.

TRC believes that this conceptual site model (CSM) is representative of actual site conditions. Based upon our interpretation of the CSM, the project has progressed to the point where it now makes sense for WPH and SC DHEC to reconvene in a meeting to discuss the results, a path forward and future remedial responses that are suggested by the extent and distribution of the VOCs present in groundwater.

6.2 Recommendations

Upon consideration of the data and information provided in this report, TRC recommends the following steps:

- Coordinate a meeting with appropriate WPH and SC DHEC representatives, during which time TRC would provide the Department with a briefing of the various findings and conclusions set forth in the report.
- Conduct discussions with the Department regarding installation of one additional deep bedrock monitoring well at the current location of well nest RMW-23 to complete vertical delineation of VOCs in groundwater.
- Provide the Department with an initial discussion of remedial alternatives that are felt to be suitable for consideration of site conditions.
- Seek Department alignment and approval to initiate preliminary remedial design of a suitable remedy to address observed levels of VOCs in groundwater.
- Seek Department alignment and approval of the regulatory process and permitting requirements necessary to develop and implement this remedial design planning effort.
- Communicate Department input and responses to the site owners and discuss future site development planning and scheduling.
- Develop a schedule and deliverable describing a suitable path forward.

Appendix A
Soil Boring Logs

SOIL BORING LOG

BORING NO. DG-06A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-13-14	6-13-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028568.18 E: 1441132.23	Total Depth (ft.): 56.50	Measuring Point Elevation (ft.): 667.6		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		**SEE BORING LOG FOR WELL DG-06C**

Continued Next Page

SOIL BORING LOG

BORING NO. DG-06A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-13-14	6-13-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028568.18 E: 1441132.23	56.50	667.6		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL DG-06C**
					22		
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

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SOIL BORING LOG

BORING NO. DG-06A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-13-14	6-13-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028568.18 E: 1441132.23	56.50	667.6		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56		**SEE BORING LOG FOR WELL DG-06C**
					57 58 59		**BORING TERMINATED AT 56.5 FEET**

SOIL BORING LOG

BORING NO. DG-06B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-12-14	Drilling End Date: 6-12-14	Page 1 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028567.34 E: 1441126.90	Total Depth (ft.): 104.00	Measuring Point Elevation (ft.): 667.6	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL DG-06C**

Continued Next Page

SOIL BORING LOG

BORING NO. DG-06B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-12-14	6-12-14	2 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028567.34 E: 1441126.90	Total Depth (ft.): 104.00	Measuring Point Elevation (ft.): 667.6		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39		**SEE BORING LOG FOR WELL DG-06C**

Continued Next Page

SOIL BORING LOG

BORING NO. DG-06B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-12-14	6-12-14	3 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028567.34 E: 1441126.90	Total Depth (ft.): 104.00	Measuring Point Elevation (ft.): 667.6		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59		**SEE BORING LOG FOR WELL DG-06C**

Continued Next Page

SOIL BORING LOG

BORING NO. DG-06B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-12-14	6-12-14	4 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028567.34 E: 1441126.90	Total Depth (ft.): 104.00	Measuring Point Elevation (ft.): 667.6		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79		**SEE BORING LOG FOR WELL DG-06C**

Continued Next Page

SOIL BORING LOG

BORING NO. DG-06B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-12-14	6-12-14	5 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028567.34 E: 1441126.90	Total Depth (ft.): 104.00	Measuring Point Elevation (ft.): 667.6		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99		**SEE BORING LOG FOR WELL DG-06C**

Continued Next Page

SOIL BORING LOG

BORING NO. DG-06B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-12-14	Drilling End Date: 6-12-14	Page 6 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028567.34 E: 1441126.90	Total Depth (ft.): 104.00	Measuring Point Elevation (ft.): 667.6	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					101		**SEE BORING LOG FOR WELL DG-06C**
					102		
					103		
					104		**BORING TERMINATED AT 104 FEET**
					105		
					106		
					107		
					108		
					109		
					110		
					111		
					112		
					113		
					114		
					115		
					116		
					117		
					118		
					119		

SOIL BORING LOG

BORING NO. DG-06C

Client: WestPoint Home, Inc.	Drilling Start Date: 6-5-14	Drilling End Date: 6-11-14	Page 1 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028566.82 E: 1441122.64	Total Depth (ft.): 114.50	Measuring Point Elevation (ft.): 667.55	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		SILTY SAND (SM), quartz, feldspar, and lithics, moderate reddish orange 10R 6/6.
	100	CUT					
	100	CUT					SANDY SILT WITH CLAY (ML), 40% silt, 30% clay, 30% sand, medium-grained, subrounded, quartz, feldspars, biotite, moderate reddish orange 10R 6/6.
	100	CUT					CLAYEY SILT (ML), 50% silt, 40% clay, 10% sand, fine to medium-grained, moderate reddish orange 10R 6/6.

Continued Next Page

SOIL BORING LOG

BORING NO. DG-06C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-5-14	6-11-14	2 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028566.82 E: 1441122.64	Total Depth (ft.): 114.50	Measuring Point Elevation (ft.): 667.55		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		CLAYEY SILT (ML), 50% silt, 40% clay, 10% sand, fine to medium-grained, moderate reddish orange 10R 6/6.
					22		
					23		
					24		
	100	CUT			25		CLAYEY SILT (ML), 40% silt, 40% clay, 20% sand, subrounded quartz, feldspar, hornblende, moderate reddish orange 10R 6/6.
					26		
					27		
					28		
					29		
					30		
	100	CUT			31		-as above; including muscovite and biotite.
					32		
					33		
					34		
					35		
					36		
	100	CUT			37		-as above.
					38		
					39		

Continued Next Page

SOIL BORING LOG

BORING NO. DG-06C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-5-14	6-11-14	3 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028566.82 E: 1441122.64	Total Depth (ft.): 114.50	Measuring Point Elevation (ft.): 667.55		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		CLAYEY SILT (ML), 40% silt, 40% clay, 20% sand, subrounded quartz, feldspar, hornblende, biotite, muscovite, moderate reddish orange 10R 6/6.
	100	CUT			42		
					43		
					44		
					45		
					46		
					47		
					48		
	100	CUT			49		CLAYEY SILT (ML), 50% silt, 30% clay, 20% sand, fine to medium-grained, subrounded quartz and feldspar, subangular micas (biotite and muscovite), moderate reddish orange 10R 6/6.
					50		
					51		
					52		
					53		
	100	CUT			54		
					55		
					56		
					57		
					58		
	100	CUT			59		CLAYEY SILT WITH SAND (ML), 50% silt, 25% clay, 25% sand, fine to medium-grained quartz and mica, fine-grained feldspar, moderate reddish orange 10R 6/6.

Continued Next Page

SOIL BORING LOG

BORING NO. DG-06C

Client: WestPoint Home, Inc.	Drilling Start Date: 6-5-14	Drilling End Date: 6-11-14	Page 4 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028566.82 E: 1441122.64	Total Depth (ft.): 114.50	Measuring Point Elevation (ft.): 667.55	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					61		CLAYEY SILT WITH SAND (ML), 50% silt, 25% clay, 25% sand, fine to medium-grained quartz and mica, fine-grained feldspar, moderate reddish orange 10R 6/6.
					62		
					63		
	100	CUT			64		
					65		
	100	CUT			66		CLAYEY SILT (ML), 40% silt, 40% clay, 20% sand, fine to medium-grained quartz and mica, fine-grained feldspar, moderate reddish orange 10R 6/6, clay nodules.
					67		
					68		
					69		
					70		
					71		
					72		
	100	CUT			73		
					74		
					75		
					76		
					77		
					78		
					79		

Continued Next Page

SOIL BORING LOG

BORING NO. DG-06C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-5-14	6-11-14	5 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028566.82 E: 1441122.64	Total Depth (ft.): 114.50	Measuring Point Elevation (ft.): 667.55		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
	100	CUT			81		SILTY SAND (SM), little clay, 50% sand, 30% silt, 20% clay, medium to fine-grained, subrounded quartz and feldspar, subangular micas and lithics, moderate reddish orange 10R 6/6.
					82		
					83		
	100	CUT			84		SANDY SILT (ML), little clay, 50% silt, 30% sand, 20% clay, fine-grained, subrounded quartz and feldspar, medium-grained, subangular micas and lithics, few clay nodules, moderate reddish orange 10R 6/6.
					85		
	100	CUT			86		SILTY CLAY (ML/CL), 40% silt, 40% clay, 20% sand, fine-grained, subrounded quartz and feldspar, medium-grained micas and lithics, clay nodules, moderate reddish orange 10R 6/6 (maybe transition zone).
					87		
	100	CUT			88		
					89		
					90		
					91		
					92		
					93		
					94		
	100	CUT			95		
					96		
					97		
	100	CUT			98		SANDY SILT WITH CLAY (ML), 40% silt, 30% clay, 30% sand, fine to medium-grained, translucent/white quartz, white/pink feldspar, black hornblende, black/brown micas (maybe transition zone).
					99		

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SOIL BORING LOG

BORING NO. DG-06C

Client: WestPoint Home, Inc.	Drilling Start Date: 6-5-14	Drilling End Date: 6-11-14	Page 6 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028566.82 E: 1441122.64	Total Depth (ft.): 114.50	Measuring Point Elevation (ft.): 667.55	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					101		SANDY SILT WITH CLAY (ML), 40% silt, 30% clay, 30% sand, fine to medium-grained, translucent/white quartz, white/pink feldspar, black hornblende, black/brown micas (transition zone).
	100	CUT			102		-as above; medium to coarse-grained sand, pebble-size rocks (transition zone).
					103		BEDROCK, quartz, feldspar, lithics (Gneiss).
					104		
					105		
					106		
					107		
					108		
	100	CUT			109		BEDROCK, 60% translucent/white quartz, 30% orange/tan feldspar, 10% black hornblende (Gneiss).
					110		
					111		
	100	CUT			112		BEDROCK, 50% orange/tan feldspar, 40% translucnet quartz, 10% black hornblende, likely fracture between 111' and 114.5' as observed by significant grain size change (Gneiss).
					113		
					114		
					115		**BORING TERMINATED AT 114.5 FEET**
					116		
					117		
					118		
					119		

SOIL BORING LOG

BORING NO. MG-05A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-1-14	5-1-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028918.17 E: 1440709.55	58.00	670.23		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		SILTY SAND (SM), 65% sand, 35% silt, fine-grained, low plasticity, low toughness, moderate reddish orange 10R 6/6, no odor, dry, loose [Saprolite].
	100	SS	3 2 3 4		2 3 4 5 6		
	100	SS	3 5 6 7		7		CLAYEY SILT (ML), silt 60%, clay 30%, sand 10%, low plasticity, medium toughness, moderate reddish orange, yellowish orange, no odor, dry, stiff [Saprolite].
					8 9 10 11 12 13		
	100	SS	3 6 8 11		14		SILTY CLAY (CL), clay 55%, silt 40%, sand 5%, medium plasticity, medium toughness, moderate reddish orange, no odor, moist, stiff, micaceous [Saprolite].
					15		
	50	SS	3 3 3 4		16 17 18		-as above; increase in white clay.
	75	SS	3 7		19		SANDY SILT (ML), silt 50%, sand 40%, clay 10%, coarse-grained quartz throughout, low plasticity, low toughness, light brown 5YR 5/6, yellow orange 10YR 6/6, no odor, wet, medium

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SOIL BORING LOG

BORING NO. MG-05A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-1-14	5-1-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028918.17 E: 1440709.55	58.00	670.23		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
			6 5		21		dense, micaceous, loose. SANDY SILT (ML), silt 50%, sand 40%, clay 10%, coarse-grained quartz throughout, low plasticity, low toughness, light brown 5YR 5/6, yellow orange 10YR 6/6, no odor, wet, medium dense, micaceous, loose.
					22		
					23		
					24		
					25		
					26		
					27		
	100	SS	6 10 12 17		28		-as above; coarse-grained quartz gravel, feldspar, medium dense.
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
	100	SS	5 14 18 29		37		-as above; dense.
					38		CLAYEY SAND (SC), fine to medium-grained quartz, low plasticity, low toughness, white, black, orange, no odor, wet, very stiff, laminated.
					39		

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SOIL BORING LOG

BORING NO. MG-05A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-1-14	5-1-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028918.17 E: 1440709.55	Total Depth (ft.): 58.00	Measuring Point Elevation (ft.): 670.23		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		-no samples collected.
					42		
					43		
					44		
					45		
					46		
					47		
					48		
					49		
					50		
					51		
					52		
					53		
					54		
					55		
					56		
					57		
					58		**BORING TERMINATED AT 58 FEET**
					59		

SOIL BORING LOG

BORING NO. RMW-01

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-18-14	4-18-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028610.55 E: 1440162.88	30.00	683.07		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–8		SANDY SILT (ML), 60% silt, 40% sand, fine-grained quartz sand, nonplastic, low toughness, moderate red brown 10R 4/6, no odor, dry, loose, gravel at 4' (Fill).
	100	SS	4 4 3 4		3–4		
	100	SS	2 3 1 1		8–13		SILTY CLAY (CL), trace coarse-grained sand, low plasticity, low toughness, moderate reddish orange 10R 6/6 with white to yellow mottling, no odor, dry, medium stiff.
	100	SS	0 2 3 4		13–18		SILT (ML), 60% silt, 20% clay, 20% sand, fine-grained, low plasticity, moderate toughness, moderate reddish orange 10R 6/6, no odor, dry, loose, visible quartz and mica grains (Saprolite).
	100	SS	1 2 2 3		18–19		CLAYEY SILT (ML), 40% clay, 40% silt, 20% sand, fine-grained, low plasticity, moderate toughness, pale reddish brown 10R 5/4, no odor, moist, medium stiff, visible quartz and mica grains (Saprolite).

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SOIL BORING LOG

BORING NO. RMW-01

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-18-14	4-18-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028610.55 E: 1440162.88	30.00	683.07		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		CLAYEY SILT (ML), 40% clay, 40% silt, 20% sand, fine-grained, low plasticity, moderate toughness, pale reddish brown 10R 5/4, no odor, moist, medium stiff, visible quartz and mica grains (Saprolite).
					22		
					23		
	100	SS	1 2 3 4		24		CLAYEY SILT (ML), 60% silt, 40% clay, low plasticity, moderate toughness, moderate reddish orange 10R 6/6, no odor, wet, medium stiff, black and white striations from 24' to 25', very micaceous (Saprolite).
					25		
					26		
					27		
					28		
	100	SS	1 2 4 5		29		SILTY SAND (SM), fine to medium-grained, low plasticity, moderate toughness, pale yellowish brown 10YR 6/2, no odor, wet, loose, white and olive green silty clay striations, very micaceous (Saprolite).
					30		**BORING TERMINATED AT 30 FEET**
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-02

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-2-14	4-2-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zack Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1029038.56 E: 1440286.92	30.00	687.05		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–8		SANDY SILT (ML), fine to coarse-grained, medium plasticity, low toughness, red, no odor, dry, loose.
	75	SS	2 3 5 4				
	50	SS	2 2 5 4		8–13		CLAY (CL), little sand, medium plasticity, low toughness, red, no odor, dry, medium stiff.
	100	SS	7 13 13 12		13–18		SAND (SP), trace gravel, fine to coarse-grained, gray, no odor, dry.
	100	SS	4 5 6 8		18–19		SILT (ML), little sand, fine to medium-grained, low plasticity, low toughness, red, odor apparent, dry, medium dense, yellow mottling, micaceous.

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SOIL BORING LOG

BORING NO. RMW-02

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-2-14	4-2-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zack Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1029038.56 E: 1440286.92	30.00	687.05		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SILT (ML), little sand, fine to medium-grained, low plasticity, low toughness, red, odor apparent, dry, medium dense, yellow mottling, micaceous.
					22		
					23		
	100	SS	1 2 6 7		24		SILT (ML), trace sand, fine-grained, nonplastic, low toughness, red, odor apparent, moist, loose, micaceous.
					25		-as above; little sand, fine to medium-grained.
					26		
					27		
					28		
	100	SS	0 2 2 3		29		-as above; wet.
					30		SAND (SP), few silt, fine to coarse-grained, pink, odor apparent, moist, stratified, black seams, very micaceous.
					31		**BORING TERMINATED AT 30 FEET**
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-03

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-1-14	4-1-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1029110.73 E: 1440311.91	30.00	687.28		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
		CUT			1–3		CLAYEY SILT (MH), trace fine-grained sand, medium plasticity, low toughness, red, no odor, dry (Fill).
	60	SS	2 3 2 3		3–8		-as above; red, black. CLAYEY SILT (MH), medium plasticity, low toughness, red, no odor, dry, medium stiff, trace mica.
	75	SS	3 8 3 3		8–13		-as above. SANDY CLAY (CL), fine and medium-grained, low plasticity, low toughness, red and black, no odor, dry, stiff.
	50	SS	2 3 2 2		13–18		CLAYEY SILT (ML), low plasticity, low toughness, red, no odor, dry, medium stiff.
	100	SS	2 6 8 11		18–19		SILT (ML), little clay, low plasticity, low toughness, red and yellow, no odor, dry, medium dense, micaceous. -as above; red.

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SOIL BORING LOG

BORING NO. RMW-03

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-1-14	4-1-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1029110.73 E: 1440311.91	30.00	687.28		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SILT (ML), little clay, low plasticity, low toughness, red, no odor, dry, medium dense, micaceous.
					22		
					23		
	100	SS	2 2 3 3		24		SILT (ML), little fine and medium-grained sand, nonplastic, low toughness, red, no odor, moist, loose, micaceous.
					25		
					26		
					27		
					28		
	100	SS	1 2 1 2		29		SANDY SILT (ML), fine and medium-grained, nonplastic, low toughness, red, no odor, wet, very loose, very micaceous. SILTY SAND (SM), fine-grained, light pink, no odor, moist, stratified, black mottling, very micaceous.
					30		**BORING TERMINATED AT 30 FEET**
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-04

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-1-14	4-1-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1029230.12 E: 1440347.65	30.00	686.69		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
		CUT	WOH		1–8		CLAYEY SILT (ML), medium plasticity, low toughness, red, no odor, dry, very soft (Fill).
	75	SS	18				-as above; micaceous.
		CUT					
	60	SS	16		8–13		CLAYEY SAND (SC), fine-grained, little clay, red and brown, no odor, dry (Fill).
		CUT					
	100	SS	21		13–18		CLAYEY SILT (ML), medium plasticity, low toughness, red and yellow, no odor, dry, very stiff.
		CUT					
	100	SS	26		18–19		SILT (ML), little clay, trace fine-grained sand, trace coarse-grained quartz, very micaceous.

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SOIL BORING LOG

BORING NO. RMW-04

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-1-14	4-1-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1029230.12 E: 1440347.65	30.00	686.69		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
		CUT			21		SILT (ML), little clay, trace fine-grained sand, trace coarse-grained quartz, very micaceous.
					22		
					23		
	65	SS	WOH 1 2 2		24		SANDY SILT (ML), fine-grained with trace coarse-grained sand, low plasticity, low toughness, red, no odor, moist, soft, very micaceous.
					25		
		CUT			26		
					27		
					28		
	90	SS	1 1 2 2		29		SILTY SAND (SM), fine-grained with trace coarse-grained sand, pink, no odor, wet, striations, black mottling, micaceous.
							Clay (CL), medium plasticity, low toughness, red, no odor, moist, soft, micaceous.
					30		**BORING TERMINATED AT 30 FEET**
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-05

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-10-14	4-10-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028464.36 E: 1440320.41	30.00	683.27		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		FILL, brown.
					2		
					3		
	100	SS	4 8 12 16		4		SILT (ML), few fine to medium-grained sand, few clay, low plasticity, low toughness, red, no odor, dry, medium dense, trace mica.
					5		
					6		
					7		
					8		
	25	SS	6 4 8 10		9		-as above; with a large piece of quartz.
					10		
					11		
					12		
					13		
	67	SS	3 3 3 3		14		SILT (ML), few fine to coarse-grained sand, nonplastic, tan, sand becomes coarser with depth.
					15		
					16		
					17		
					18		
	100	SS	1 2 2 3		19		SANDY SILT (ML), fine-grained, nonplastic, low toughness, tan and red, no odor, dry, loose, faint stratification, micaceous.

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SOIL BORING LOG

BORING NO. RMW-05

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-10-14	4-10-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028464.36 E: 1440320.41	30.00	683.27		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SANDY SILT (ML), fine-grained, nonplastic, low toughness, tan and red, no odor, dry, loose, faint stratification, micaceous.
					22		
					23		
	88	SS	1 2 2 3		24		-as above; wet. SILTY SAND (SM), fine to coarse-grained, few coarse-grained quartz, tan, no odor, wet.
					25		
					26		
					27		
					28		
	100	SS	1 2 2 4		29		SILTY SAND (SM), fine to coarse-grained, brown, no odor, wet. -as above; fine to medium-grained, tan, trace mica.
					30		**BORING TERMINATED AT 30 FEET**
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-06

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-9-14	4-9-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028584.44 E: 1440373.68	30.20	681.77		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		**SEE BORING LOG FOR WELL RMW-06A**

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SOIL BORING LOG

BORING NO. RMW-06

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-9-14	4-9-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028584.44 E: 1440373.68	Total Depth (ft.): 30.20	Measuring Point Elevation (ft.): 681.77		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21–30		**SEE BORING LOG FOR WELL RMW-06A**
					30–39		**BORING TERMINATED AT 30.2 FEET**

SOIL BORING LOG

BORING NO. RMW-06A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-9-14	4-9-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028591.30 E: 1440370.09	56.50	681.74		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		SILT (ML), few fine-grained sand, low plasticity, low toughness, red, no odor, dry, loose, yellow mottling from 4.7' to 5'.
	100	SS	3 5 5 6		2 3 4 5 6 7 8		
	100	SS	4 4 7 9		9		SILT (ML), little clay, few fine-grained sand, low plasticity, low toughness, yellow, no odor, dry, medium dense, micaceous.
	100	SS	3 2 2 3		10 11 12 13		SILT (ML), little fine to coarse-grained sand, few coarse-grained quartz grains, nonplastic, low toughness, yellow, no odor, dry, loose.
	100	SS	2 2 2 2		14 15 16 17 18		SILT (ML), little clay, trace fine-grained sand, low plasticity, low toughness, orange, no odor, moist, loose.
					19		SANDY SILT (ML), fine to coarse-grained, few coarse-grained quartz grains, nonplastic, low toughness, white, no odor, moist, loose, faint stratification.

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SOIL BORING LOG

BORING NO. RMW-06A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-9-14	4-9-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028591.30 E: 1440370.09	56.50	681.74		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SANDY SILT (ML), fine to coarse-grained, few coarse-grained quartz grains, nonplastic, low toughness, white, no odor, moist, loose, faint stratification.
					22		
					23		
	100	SS	1 2 3 4		24		SANDY SILT (ML), fine to medium-grained, nonplastic, low toughness, white, no odor, moist, loose, red staining.
					25		SILTY SAND (SM), fine to coarse-grained, black, no odor, moist, faint stratification, white seams [Saprolite].
					26		
					27		
					28		
	100	SS	1 2 3 3		29		SILT (ML), little fine-grained sand, nonplastic, low toughness, gray, no odor, moist, loose, micaceous. -as above; yellow.
					30		
					31		
					32		
					33		
	100	SS	1 2 3 5		34		SANDY SILT (ML), fine-grained, nonplastic, low toughness, tan, no odor, moist, loose, micaceous. -as above; fine to coarse-grained, red staining, wet.
					35		
					36		
					37		
					38		
	100	SS	2 2 2 3		39		SILTY SAND (SM), fine to coarse-grained, trace quartz grains, tan, no odor, wet, micaceous [Saprolite]. -as above; fine-grained, brown.

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SOIL BORING LOG

BORING NO. RMW-06A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-9-14	4-9-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028591.30 E: 1440370.09	56.50	681.74		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		SILTY SAND (SM), fine-grained, trace quartz grains, brown, no odor, wet, micaceous [Saprolite].
					42		
					43		
	100	SS	3 4 7 9		44		SILTY SAND (SM), fine to coarse-grained, tan, no odor, wet, faint stratification, micaceous, silt seams [Saprolite].
					45		
					46		
					47		
					48		
	100	SS	4 4 5 8		49		CLAY (CL), little fine to medium-grained sand, trace mica, low plasticity, low toughness, red, no odor, moist, stiff. SILTY SAND (SM), fine to coarse-grained, white, no odor, moist, tan silt staining, trace black mottling, trace mica [Saprolite].
					50		
					51		
					52		
					53		
	100	SS	5 5 8 9		54		SILTY SAND (SM), fine to coarse-grained, few medium to coarse-grained quartz gravel, brown, no odor, moist, micaceous. -as above, white, stratified, tan silt seams.
					55		
					56		
					57		**BORING TERMINATED AT 56.5 FEET**
					58		
					59		

SOIL BORING LOG

BORING NO. RMW-07

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-10-14	4-10-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028796.46 E: 1440345.89	30.00	683.55		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–8		SILT (ML), few fine-grained sand, low plasticity, low toughness, brown, no odor, dry, medium dense.
	100	SS	4 6 6 11				
	100	SS	10 7 8 7		9		CLAY (CL), medium plasticity, medium toughness, tan, no odor, dry, stiff, red mottling.
					10–18		SILT (ML), little fine to medium-grained sand, nonplastic, low toughness, yellow, no odor, dry, medium dense, micaceous.
	83	SS	4 5 4 7				-as above; fine-grained, red.
	100	SS	1 2 2 3		18		CLAYEY SILT (ML), medium plasticity, medium toughness, red, no odor, dry, soft, micaceous.
					19		SILTY SAND (SM), fine-grained, red, no odor, dry, black mottling, micaceous.

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SOIL BORING LOG

BORING NO. RMW-07

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-10-14	4-10-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028796.46 E: 1440345.89	30.00	683.55		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SILTY SAND (SM), fine-grained, red, no odor, dry, black mottling, micaceous.
					22		
					23		
	100	SS	1 2 3 2		24		-as above; wet.
					25		SILTY SAND (SM), fine to medium-grained, red, no odor, moist, faint stratification, black mottling, tan seams [Saprolite].
					26		SILTY SAND (SM), fine to coarse-grained, trace coarse-grained quartz, white, no odor, moist, tan seams.
					27		
					28		
	100	SS	1 2 6 7		29		SANDY SILT (ML), fine to medium-grained, nonplastic, low toughness, red, no odor, wet, loose, micaceous.
					30		**BORING TERMINATED AT 30 FEET**
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-08

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-16-14	4-16-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028909.30 E: 1440421.22	24.00	680.59		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		**SEE BORING LOG FOR WELL RMW-08A**

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SOIL BORING LOG

BORING NO. RMW-08

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-16-14	4-16-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028909.30 E: 1440421.22	Total Depth (ft.): 24.00	Measuring Point Elevation (ft.): 680.59		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-08A**
					22		
					23		
					24		**BORING TERMINATED AT 24 FEET**
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-08A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-15-14	4-15-14	1 4
Site:		**Drilling Method:**		**Project Number:**
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	**Driller (name/company):**	**Drill Rig Type:**		**Borehole Diameter (in.)**
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	**Total Depth (ft.):**	**Measuring Point Elevation (ft.):**		
N: 1028911.33 E: 1440414.93	77.90	680.57		
Datum Description:	**Datum Elevation (ft.):**	**Checked by:**		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		SILTY CLAY (CL), low plasticity, low toughness, red, no odor, moist, stiff [Fill].
					2		
					3		
	67	SS	5 6 6 6		4		
					5		
					6		
					7		
					8		
	71	SS	4 10 11 7		9		SANDY SILT (ML), fine-grained, nonplastic, low toughness, red, no odor, dry, very medium dense, tan mottling.
					10		SILTY SAND (SM), fine to coarse-grained, trace quartz gravel, tan, no odor, dry.
					11		
					12		
					13		
	100	SS	3 3 4 3		14		SANDY SILT (ML), fine-grained, nonplastic, low toughness, red, no odor, dry, loose, tan mottling, micaceous.
					15		SILTY SAND (SM), fine to coarse-grained, tan with red mottling, no odor, dry.
					16		
					17		
					18		
	100	SS	1 2 3 3		19		SANDY SILT (ML), fine-grained, nonplastic, low toughness, red, no odor, moist, loose, black mottling, micaceous, faint stratification in lower foot [Saprolite].

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SOIL BORING LOG

BORING NO. RMW-08A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-15-14	4-15-14	2 4
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028911.33 E: 1440414.93	77.90	680.57		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SANDY SILT (ML), fine-grained, nonplastic, low toughness, red, no odor, moist, loose, black mottling, micaceous, faint stratification in lower foot [Saprolite].
					22		
					23		
	67	SS	2 3 2 3				CLAY (CL), low plasticity, low toughness, brown, no odor, moist, soft.
					24		SANDY SILT (ML), fine-grained, nonplastic, low toughness, red, no odor, wet, loose, black mottling, micaceous, faint stratification [Saprolite].
					25		
					26		
					27		
					28		
	75	SS	0 1 2 2				SANDY SILT (ML), fine-grained, nonplastic, low toughness, brown, no odor, wet, very loose, micaceous.
					29		-as above; red, black mottling, stratification, white seams, micaceous [Saprolite].
					30		
					31		
					32		
					33		
	100	SS	2 2 4 4				-as above; bottom 0.3 feet black.
					34		
					35		
					36		
					37		
					38		
	100	SS	2 2 4 5				-as above; bottom 0.5 feet black.
					39		

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SOIL BORING LOG

BORING NO. RMW-08A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-15-14	4-15-14	3 4
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028911.33 E: 1440414.93	77.90	680.57		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		SANDY SILT (ML), fine-grained, nonplastic, low toughness, brown, red, no odor, wet, loose, black mottling, stratification, white seams, micaceous [Saprolite].
					42		
					43		
	100	SS	4 4 7 10		44		SANDY SILT (ML), fine-grained, nonplastic, low toughness, red, no odor, moist, medium dense, micaceous. -as above; gray, black mottling, stratification, tan silt seams.
					45		
					46		
					47		
					48		
	100	SS	4 5 6 9		49		SILTY SAND (SM), fine-grained, gray, no odor, moist, black mottling, micaceous.
					50		-as above; fine to coarse-grained, black and white with stratified tan seams [Saprolite].
					51		
					52		
					53		
	100	SS	4 6 6 12		54		SANDY SILT (ML), fine-grained, nonplastic, low toughness, brown, no odor, wet, medium dense, micaceous.
					55		-as above; some fine to coarse-grained sand, white, black mottling, tan silt seams, stratified, black 0.5 foot thick seam of silt at top of this section.
					56		
					57		
					58		
	0	SS			59		-no recovery.

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SOIL BORING LOG

BORING NO. RMW-08A

Client:	Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.	4-15-14	4-15-14	4 4
Site:	**Drilling Method:**		**Project Number:**
Former WPH Site, Clemson, South Carolina	Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	**Driller (name/company):**	**Drill Rig Type:**	**Borehole Diameter (in.)**
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750	8.0
Boring Coordinates:	**Total Depth (ft.):**	**Measuring Point Elevation (ft.):**	
N: 1028911.33 E: 1440414.93	77.90	680.57	
Datum Description:	**Datum Elevation (ft.):**	**Checked by:**	
NAVD 88		LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
	0	SS			61–63		-no recovery.
	100	SS	2 7 15 40		68–69		SILTY SAND (SM), fine-grained, brown, no odor, wet, slightly micaceous.
					70–72		SANDY SILT (ML), fine to medium-grained, nonplastic, low toughness, brown, no odor, wet, medium dense, micaceous, stratified, silt seams [Saprolite].
	100	SS	8 24 35 50/6		73–74		SILTY SAND (SM), fine to medium-grained, trace mica, brown, no odor, wet.
					75–77		SANDY SILT (ML), fine-grained, nonplastic, low toughness, white, no odor, wet, very dense, stratified, tan silt staining, micaceous.
					78–79		**BORING TERMINATED AT 77.9 FEET**

SOIL BORING LOG

BORING NO. RMW-09

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-4-14	4-4-14	1 1
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028941.26 E: 1440515.40	20.00	676.68		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		FILL
					2		
					3		
	100	SS	3 6 3 3		4		SILT (ML), few fine-grained sand, low plasticity, low toughness, red, no odor, dry, loose.
					5		
					6		
					7		
					8		
	100	SS	4 7 9 13		9		CLAY (CL), medium plasticity, medium toughness, gray, no odor, dry, very stiff, red mottling, staining.
					10		
					11		
					12		
					13		
	100	SS	3 9 5 3		14		SANDY SILT (ML), fine to medium-grained, nonplastic, low toughness, red, no odor, dry, medium dense, yellow mottling, micaceous. SILT (ML), little fine-grained sand, red with black and yellow mottling, micaceous.
					15		
					16		
					17		
					18		
	100	SS	2 1 1 2		19		SILT (ML), little fine-grained sand, nonplastic, low toughness, red, no odor, wet, very loose, micaceous. SILTY SAND (SM), fine to coarse-grained, white, no odor, wet, orange staining, black mottling. **BORING TERMINATED AT 20 FEET**

Greenville (ver. 9/1/97)

SOIL BORING LOG

BORING NO. RMW-10

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-17-14	4-17-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028692.19 E: 1440534.66	Total Depth (ft.): 27.00	Measuring Point Elevation (ft.): 682.29		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-10A**

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SOIL BORING LOG

BORING NO. RMW-10

Client: WestPoint Home, Inc.	Drilling Start Date: 4-17-14	Drilling End Date: 4-17-14	Page 2 of 2
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Hollow Stem Auger		Project Number: 208464.0.0.1
Geologist/Technician: Zach Rayburn	Driller (name/company): Brett Burnett, AE Drilling Services, LLC	Drill Rig Type: CME 750	Borehole Diameter (in.): 8.0
Boring Coordinates: N: 1028692.19 E: 1440534.66	Total Depth (ft.): 27.00	Measuring Point Elevation (ft.): 682.29	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-10A**
					22		
					23		
					24		**BORING TERMINATED AT 27 FEET**
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-10A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-16-14	4-16-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028687.04 E: 1440535.42	55.50	682.25		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–7		SILT (ML), little sand, fine to coarse-grained gravel, few clay, low plasticity, low toughness, red, no odor, dry, loose [Fill].
	67	SS	3 3 2 3		8		
	100	SS	3 6 10 12		9–12		CLAY (CL), low plasticity, low toughness, multicolored, mostly red and white with some tan, no odor, dry, very stiff.
	75	SS	2 6 4 10		13		SILTY SAND (SM), fine to medium-grained, trace coarse-grained quartz, tan, no odor, dry.
	75	SS	2 1 1 2		14–19		SANDY SILT (ML), fine to coarse-grained, coarse-grained quartz, nonplastic, low toughness, tan, no odor, moist, very loose, red staining, micaceous.

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SOIL BORING LOG

BORING NO. RMW-10A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-16-14	4-16-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028687.04 E: 1440535.42	55.50	682.25		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SANDY SILT (ML), fine to coarse-grained, coarse-grained quartz, nonplastic, low toughness, tan, no odor, moist, very loose, red staining, micaceous.
					22		
					23		
	100	SS	1 1 2 3		24		-as above; wet.
					25		
					26		
					27		
					28		
	100	SS	1 2 3 3		29		-as above; red.
					30		
					31		
					32		
					33		
	100	SS	2 3 3 5		34		SANDY SILT (ML), fine to coarse-grained, trace mica, nonplastic, low toughness, brown, no odor, wet, loose, faint stratification and black mottling from 34.5'- to 35'.
					35		
					36		
					37		
					38		
	100	SS	4 5 4 3		39		CLAY (CL), low plasticity, low toughness, red, no odor, moist, stiff. SANDY SILT (ML), fine to coarse-grained, nonplastic, low toughness, tan, no odor, wet, loose.

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SOIL BORING LOG

BORING NO. RMW-10A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-16-14	4-16-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028687.04 E: 1440535.42	55.50	682.25		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		SANDY SILT (ML), fine to coarse-grained, nonplastic, low toughness, tan, no odor, wet, loose.
					42		
					43		
	100	SS	2 2 3 4		44		SANDY SILT (ML), fine to medium-grained, nonplastic, low toughness, tan, no odor, wet, loose, trace mica.
					45		
					46		
					47		
	0	SS	WOH		48		-no recovery.
					49		
					50		
					51		
					52		
					53		SILTY SAND (SM), fine to coarse-grained, dark brown, no odor, wet, trace mica.
	100	SS	0 1 2 2		54		SANDY SILT (ML), fine-grained, nonplastic, low toughness, tan, no odor, wet, very loose, white mottling, black seams, trace mica.
					55		SILT (ML), little fine-grained sand, nonplastic, low toughness, dark brown, no odor, moist, very loose, white seam, micaceous.
					56		**BORING TERMINATED AT 55.5 FEET**
					57		
					58		
					59		

SOIL BORING LOG

BORING NO. RMW-10B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-3-14	Drilling End Date: 6-3-14	Page 1 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028680.06 E: 1440535.32	Total Depth (ft.): 112.50	Measuring Point Elevation (ft.): 682.2	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-10A**

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SOIL BORING LOG

BORING NO. RMW-10B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-3-14	Drilling End Date: 6-3-14	Page 2 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028680.06 E: 1440535.32	Total Depth (ft.): 112.50	Measuring Point Elevation (ft.): 682.2	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-10A**
					22		
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

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SOIL BORING LOG

BORING NO. RMW-10B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-3-14	Drilling End Date: 6-3-14	Page 3 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028680.06 E: 1440535.32	Total Depth (ft.): 112.50	Measuring Point Elevation (ft.): 682.2	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		**SEE BORING LOGS FOR WELLS RMW-10A AND RMW-10C**
					42		
					43		
					44		
					45		
					46		
					47		
					48		
					49		
					50		
					51		
					52		
					53		
					54		
					55		
					56		
					57		
					58		
					59		

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SOIL BORING LOG

BORING NO. RMW-10B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-3-14	6-3-14	4 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028680.06 E: 1440535.32	112.50	682.2		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79		**SEE BORING LOG FOR WELL RMW-10C**

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SOIL BORING LOG

BORING NO. RMW-10B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-3-14	6-3-14	5 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028680.06 E: 1440535.32	Total Depth (ft.): 112.50	Measuring Point Elevation (ft.): 682.2		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99		**SEE BORING LOG FOR WELL RMW-10C**

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SOIL BORING LOG

BORING NO. RMW-10B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-3-14	Drilling End Date: 6-3-14	Page 6 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028680.06 E: 1440535.32	Total Depth (ft.): 112.50	Measuring Point Elevation (ft.): 682.2	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					101		**SEE BORING LOG FOR WELL RMW-10C**
					102		
					103		
					104		
					105		
					106		
					107		
					108		
					109		
					110		
					111		
					112		
					113		**BORING TERMINATED AT 112.5 FEET**
					114		
					115		
					116		
					117		
					118		
					119		

SOIL BORING LOG

BORING NO. RMW-10C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-16-14	Drilling End Date: 5-27-14	Page 1 of 7
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028674.50 E: 1440535.07	Total Depth (ft.): 124.00	Measuring Point Elevation (ft.): 682.02	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-10A**

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SOIL BORING LOG

BORING NO. RMW-10C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-16-14	5-27-14	2 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028674.50 E: 1440535.07	Total Depth (ft.): 124.00	Measuring Point Elevation (ft.): 682.02		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-10A**
					22		
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

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SOIL BORING LOG

BORING NO. RMW-10C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-16-14	Drilling End Date: 5-27-14	Page 3 of 7
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.) 10.0
Boring Coordinates: N: 1028674.50 E: 1440535.07	Total Depth (ft.): 124.00	Measuring Point Elevation (ft.): 682.02	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		**SEE BORING LOG FOR WELL RMW-10A**
					42		
					43		
					44		
					45		
					46		
					47		
					48		
					49		
					50		
					51		
					52		
					53		
					54		
					55		
	100	CUT			56		SILTY SAND (SM), coarse-grained sand, 10% mica, sand is tan to light brown with translucent quartz, silt is brown with mica gold to bronze.
					57		
					58		
					59		

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SOIL BORING LOG

BORING NO. RMW-10C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-16-14	5-27-14	4 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028674.50 E: 1440535.07	Total Depth (ft.): 124.00	Measuring Point Elevation (ft.): 682.02		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					61		SILTY SAND (SM), coarse-grained sand, 10% mica, sand is tan to light brown with translucent quartz, silt is brown with mica gold to bronze.
					62		
					63		
					64		
	100	CUT			65		-as above; with 80% sand, 20% silt.
					66		
					67		
					68		
					69		
					70		
					71		
					72		
					73		
					74		
	100	CUT			75		-as above; with more compaction near transition zone 75'.
					76		
					77		
					78		
					79		

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SOIL BORING LOG

BORING NO. RMW-10C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-16-14	5-27-14	5 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028674.50 E: 1440535.07	Total Depth (ft.): 124.00	Measuring Point Elevation (ft.): 682.02		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
	100	CUT			81		SILTY SAND (SM), 75% coarse-grained sand, 25% silt, sand is quartz and mica with black sub-angular hornblende, silt is tan to light brown with with feldspar and mica. TRANSITION ZONE +/- 80 feet.
					82		
					83		
					84		
					85		
					86		
					87		
					88		
					89		
	100	CUT			90		-as above; 60% coarse-grained sand, 40% silt, sand is 30% tan/translucent quartz, 20% white plagioclase feldspar, 10% black sub-angular hornblende, less than %5 mica, silt is light tan.
					91		
					92		
					93		
					94		
					95		
					96		
					97		
					98		
					99		

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SOIL BORING LOG

BORING NO. RMW-10C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-16-14	5-27-14	6 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028674.50 E: 1440535.07	124.00	682.02		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					101		SILTY SAND (SM), 60% coarse-grained sand, 40% silt, sand is quartz and mica with black sub-angular hornblende, silt is tan to light brown with with feldspar and mica.
					102		
					103		
					104		
					105		
					106		
					107		
	100	CUT			108		SAND (SP), 80% sand, 20% silt, sand is 40% tan/translucent quartz, 20% white feldspar, 20% black hornblende, silt is tan.
					109		
					110		
					111		
					112		
	100	CUT			113		BEDROCK, 50% translucent quartz, 30% plagioclase feldspar, 10% bronze mica, 10% black hornblende.
					114		
					115		
	100	CUT			116		BEDROCK, 40% translucent and light brown quartz, 40% feldspar, 20% bronze mica.
	100	CUT			117		BEDROCK, soft zone likely fracture.
	100	CUT					BEDROCK, 50% translucent quartz, 30% plagioclase feldspar, 10% bronze mica, 10% black hornblende.
	100	CUT			118		BEDROCK, black white, clear, buff, orange quartz, feldspar, hornblende.
					119		

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SOIL BORING LOG

BORING NO. RMW-10C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-16-14	Drilling End Date: 5-27-14	Page 7 of 7
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028674.50 E: 1440535.07	Total Depth (ft.): 124.00	Measuring Point Elevation (ft.): 682.02	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					121		BEDROCK, black white, clear, buff, orange quartz, feldspar, hornblende.
					122		
					123		
					124		**BORING TERMINATED AT 124 FEET**
					125		
					126		
					127		
					128		
					129		
					130		
					131		
					132		
					133		
					134		
					135		
					136		
					137		
					138		
					139		

SOIL BORING LOG

BORING NO. RMW-11

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-11-14	4-11-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028427.40 E: 1440571.13	30.00	676.31		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		FILL.
					2		
					3		
	100	SS	3 4 6 7		4		SILT (ML), little fine-grained sand, little clay, low plasticity, low toughness, red, no odor, dry, loose.
					5		
					6		
					7		
					8		
	79	SS	3 5 6 5		9		CLAY (CL), little fine to coarse-grained sand, trace quartz gravel, nonplastic, low plasticity, white, no odor, dry, stiff, red mottling.
					10		SILT (ML), little fine to coarse-grained sand, nonplastic, low toughness, red, no odor, dry, medium dense, tan mottling.
					11		
					12		
					13		
	100	SS	2 2 2 2		14		SILT (ML), little fine to medium-grained sand, nonplastic, low toughness, red, no odor, medium, loose, tan mottling, micaceous.
					15		
					16		
					17		
					18		
	38	SS	1 2 2 2		19		-as above; wet.

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SOIL BORING LOG

BORING NO. RMW-11

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-11-14	4-11-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028427.40 E: 1440571.13	30.00	676.31		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SILT (ML), little fine to medium-grained sand, nonplastic, low toughness, red, no odor, wet, loose, tan mottling, micaceous.
					22		
					23		
	0	SS	0 1 1 2		24		-no recovery.
					25		
					26		
					27		
					28		
	75	SS	1 1 1 2		29		SILT (ML), few fine to medium-grained sand, nonplastic, low toughness, brown, no odor, wet, very loose, black mottling.
					30		SILT (ML), little fine-grained sand, nonplastic, low toughness, tan, no odor, wet, very loose, black mottling.
					31		**BORING TERMINATED AT 30 FEET**
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-12

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-11-14	4-11-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028275.29 E: 1440436.45	30.00	677.86		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		FILL, brown.
					2		
					3		
	100	SS	4 4 6 9		4		SILT (ML), few fine-grained sand, nonplastic, low toughness, brown and red, no odor, dry, loose, trace tan mottling.
					5		
					6		
					7		
					8		
	100	SS	4 6 10 13		9		CLAY (CL), low plasticity, medium toughness, red and tan, no odor, dry, very stiff, trace mica.
					10		
					11		
					12		
					13		SILT (ML), few fine-grained sand.
	100	SS	4 5 5 3		14		CLAY (CL), low plasticity, low toughness, white, no odor, dry, stiff, red mottling, trace mica.
					15		SILTY SAND (SM), fine to medium-grained, red, no odor, dry, trace mica.
					16		
					17		
					18		
	50	SS	1 1 2 2		19		SILTY SAND (SM), fine-grained, red, no odor, dry, black mottling, tan silt seams, micaceous.

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-12

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-11-14	4-11-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028275.29 E: 1440436.45	30.00	677.86		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SILTY SAND (SM), fine-grained, red, no odor, dry, black mottling, tan silt seams, micaceous.
					22		
					23		
	100	SS	1 2 3 1		24		SILT (ML), little fine-grained sand, nonplastic, low toughness, brown, no odor, wet, loose, trace mica.
					25		SILTY SAND (SM), fine to coarse-grained, black, no odor, wet, non-fluvial fining downward sequence, black and tan in upper zone [Saprolite].
					26		
					27		
					28		
	0	SS	2 1 2 2		29		-no recovery.
					30		**BORING TERMINATED AT 30 FEET**
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-13

Client: WestPoint Home, Inc.	Drilling Start Date: 4-21-14	Drilling End Date: 4-21-14	Page 1 of 1
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Hollow Stem Auger		Project Number: 208464.0.0.1
Geologist/Technician: Michelle Hays	Driller (name/company): Brett Burnett, AE Drilling Services, LLC	Drill Rig Type: CME 750	Borehole Diameter (in.): 8.0
Boring Coordinates: N: 1028477.54 E: 1440697.54	Total Depth (ft.): 20.00	Measuring Point Elevation (ft.): 676.15	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-13A**
							BORING TERMINATED AT 20 FEET

Greenville (ver. 9/1/97)

SOIL BORING LOG

BORING NO. RMW-13A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-21-14	4-21-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028482.19 E: 1440699.21	60.00	675.96		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		CLAYEY SILT (ML), 75% silt, 25% clay, low plasticity, moderate toughness, moderate reddish brown 10R 4/6, no odor, dry, medium dense, visible quartz grains and very little mica.
	100	SS	4 6 10 12		2 3 4 5 6 7 8		
	100	SS	3 3 4 4		9 10 11 12 13		CLAYEY SILT (ML), 65% silt, 25% clay, 10% sand, low plasticity, moderate toughness, moderate reddish brown 10R 4/6, no odor, dry, medium stiff, visible quartz grains, little mica [Saprolite].
	100	SS	1 2 2 3		14 15 16 17 18		SILT (ML), 60% silt, 20% clay, 20% sand, low plasticity, low toughness, moderate reddish orange 10R 6/6, no odor, moist, very loose, quartz and mica present [Saprolite].
	100	SS	1 1 2 2		19		SANDY SILT (ML), 50% silt, 30% sand, 20% clay, low plasticity, low toughness, moderate reddish orange 10R 6/6 and black, no odor, wet, very loose, very micaceous, coarse-grained quartz [Saprolite]. -as above; black and white laminations.

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SOIL BORING LOG

BORING NO. RMW-13A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-21-14	4-21-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028482.19 E: 1440699.21	60.00	675.96		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SANDY SILT (ML), 50% silt, 30% sand, 20% clay, low plasticity, low toughness, moderate reddish orange 10R 6/6 and black, no odor, wet, very loose, coarse-grained quartz, very micaceous, black and white lamination [Saprolite].
					22		
					23		
	100	SS	1 2 2 4		24		CLAYEY SILT (ML), 60% silt, 30% clay, 10% sand, low plasticity, low toughness, moderate reddish brown 10R 4/6, no odor, wet, soft, very micaceous [Saprolite].
					25		-as above; black.
					26		
					27		
					28		
	100	SS	WOH 2 2 3		29		CLAYEY SILT (ML), 60% silt, 35% clay, 5% sand, low plasticity, low toughness, light brown 5YR 5/6, no odor, wet, soft.
					30		
					31		
					32		
					33		
	100	SS	1 1 3 4		34		-as above; white quartz and feldspar.
					35		
					36		
	100	SS	WOH 2 2 4		37		
					38		
					39		

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SOIL BORING LOG

BORING NO. RMW-13A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-21-14	4-21-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028482.19 E: 1440699.21	Total Depth (ft.): 60.00	Measuring Point Elevation (ft.): 675.96		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		CLAYEY SILT (ML), 60% silt, 35% clay, 5% sand, low plasticity, low toughness, light brown 5YR 5/6, no odor, wet, soft, some lithics, very micaceous, white and orange laminations [Saprolite].
					42		
					43		
					44		
					45		
					46		
					47		
	100	SS	WOH 1 3 4		48		-as above; light brown 5YR 5/6 and white with strong white/orange lamination.
					49		
					50		
					51		
					52		
					53		
	100	SS	2 3 6 7		54		CLAYEY SILT (ML), 60% silt, 30% clay, 10% sand, moderate plasticity, low toughness, light brown 5YR 5/6 and white, no odor, wet, stiff, thinly laminated, lithics [Saprolite].
					55		
					56		
					57		
					58		
					59		**BORING TERMINATED AT 60 FEET**

SOIL BORING LOG

BORING NO. RMW-14

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-8-14	5-8-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028591.03 E: 1440764.74	22.00	678.1		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		**SEE BORING LOG FOR WELL RMW-14A**

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SOIL BORING LOG

BORING NO. RMW-14

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-8-14	5-8-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028591.03 E: 1440764.74	22.00	678.1		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-14A**
					22		**BORING TERMINATED AT 22 FEET**
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-14A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-7-14	5-7-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028585.68 E: 1440763.67	58.50	677.77		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		WELL-SORTED SAND (SP), medium-grained sand, dark brown to reddish orange, no odor, dry, medium dense, 5% mica.
					2		
					3		
	100	SS	7 8 11 12		4		
					5		
					6		
					7		
					8		
	75	SS	3 3 3 4		9		-as above, loose.
					10		
					11		
					12		
					13		
	50	SS	2 1 2 2		14		-as above; very loose, with 2" white to tan band of coarse-grained sand.
					15		
					16		
					17		
					18		
	50	SS	1 1 2 2		19		POORLY-SORTED SAND (SW), coarse to medium-grained sand, dark brown, 3" color bands of tan, orange, yellowish orange, no odor, wet, very loose [Saprolite].

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SOIL BORING LOG

BORING NO. RMW-14A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-7-14	5-7-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028585.68 E: 1440763.67	58.50	677.77		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		POORLY-SORTED SAND (SW), coarse to medium-grained sand, dark brown, 3" color bands of tan, orange, yellowish orange, no odor, wet, very loose [Saprolite].
					22		
					23		
	100	SS	1 1 2 2		24		SAND (SP), 70% sand, 20% silt, 10% angular gravel, nonplastic, low toughness, yellow orange, no odor, wet, very loose.
					25		
					26		
					27		
					28		
	50	SS	1 1 2 3		29		SAND (SP), 80% sand, 20% silt, nonplastic, low toughness, tan, light brown, yellow, no odor, moist, very loose, micaceous with laminations.
					30		
					31		
					32		
					33		
	100	SS	1 2 2 3		34		SILTY SAND (SM), 60% sand, 35% silt, 5% fine-grained angular gravel, orange to tan, no odor, moist, very loose. WELL-SORTED SAND (SP), coarse-grained sand, tan, no odor, moist, very loose, micaceous.
					35		
					36		
					37		
					38		
	75	SS	1 1 2 2		39		SILTY SAND (SM), 80% sand, 20% silt, coarse-grained sand, white, tan, orange, no odor, moist, very loose, micaceous [Saprolite].

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SOIL BORING LOG

BORING NO. RMW-14A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-7-14	5-7-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028585.68 E: 1440763.67	58.50	677.77		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		SILTY SAND (SM), 80% sand, 20% silt, coarse-grained sand, white, tan, orange, no odor, moist, very loose, micaceous [Saprolite].
					42		
					43		
	75	SS	2 1 2 2		44		SILT (ML), 80% silt, 20% sand, medium-grained sand, nonplastic, low toughness, orange-red, no odor, wet, very loose, white with black inclusions.
					45		
					46		
					47		
	0	SS	1 1 3 3		48		-no recovery.
					49		
					50		
					51		
					52		
					53		
	50	SS	1 4 4 7		54		SILTY SAND (SM), 70% sand, 30% silt, medium-grained sand, low toughness, tan, orange, light brown, no odor, moist, loose, micaceous, laminated [Saprolite].
					55		SANDY SILT (ML), 60% silt, 40% sand, nonplastic, low toughness, tan, no odor, moist, loose, laminated, white with black inclusions.
					56		
					57		
					58		**BORING TERMINATED AT 58 FEET**
					59		

SOIL BORING LOG

BORING NO. RMW-14B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-2-14	Drilling End Date: 6-2-14	Page 1 of 7
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028577.33 E: 1440763.54	Total Depth (ft.): 133.00	Measuring Point Elevation (ft.): 677.7	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-14A**

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SOIL BORING LOG

BORING NO. RMW-14B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-2-14	Drilling End Date: 6-2-14	Page 2 of 7
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028577.33 E: 1440763.54	Total Depth (ft.): 133.00	Measuring Point Elevation (ft.): 677.7	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-14A**
					22		
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

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SOIL BORING LOG

BORING NO. RMW-14B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-2-14	6-2-14	3 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028577.33 E: 1440763.54	Total Depth (ft.): 133.00	Measuring Point Elevation (ft.): 677.7		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59		**SEE BORING LOGS FOR WELLS RMW-14A AND RMW-14C**

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SOIL BORING LOG

BORING NO. RMW-14B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-2-14	6-2-14	4 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028577.33 E: 1440763.54	133.00	677.7		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79		**SEE BORING LOG FOR WELL RMW-14C**

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SOIL BORING LOG

BORING NO. RMW-14B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-2-14	Drilling End Date: 6-2-14	Page 5 of 7
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028577.33 E: 1440763.54	Total Depth (ft.): 133.00	Measuring Point Elevation (ft.): 677.7	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					81		**SEE BORING LOG FOR WELL RMW-14C**
					82		
					83		
					84		
					85		
					86		
					87		
					88		
					89		
					90		
					91		
					92		
					93		
					94		
					95		
					96		
					97		
					98		
					99		

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SOIL BORING LOG

BORING NO. RMW-14B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-2-14	6-2-14	6 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028577.33 E: 1440763.54	Total Depth (ft.): 133.00	Measuring Point Elevation (ft.): 677.7		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119		**SEE BORING LOG FOR WELL RMW-14C**

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SOIL BORING LOG

BORING NO. RMW-14B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-2-14	Drilling End Date: 6-2-14	Page 7 of 7
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028577.33 E: 1440763.54	Total Depth (ft.): 133.00	Measuring Point Elevation (ft.): 677.7	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					121		**SEE BORING LOG FOR WELL RMW-14C**
					122		
					123		
					124		
					125		
					126		
					127		
					128		
					129		
					130		
					131		
					132		
					133		**BORING TERMINATED AT 133 FEET**
					134		
					135		
					136		
					137		
					138		
					139		

SOIL BORING LOG

BORING NO. RMW-14C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-13-14	Drilling End Date: 5-27-14	Page 1 of 8
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028572.42 E: 1440762.33	Total Depth (ft.): 143.00	Measuring Point Elevation (ft.): 677.76	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-14A**

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SOIL BORING LOG

BORING NO. RMW-14C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-13-14	Drilling End Date: 5-27-14	Page 2 of 8
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028572.42 E: 1440762.33	Total Depth (ft.): 143.00	Measuring Point Elevation (ft.): 677.76	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-14A**
					22		
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

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SOIL BORING LOG

BORING NO. RMW-14C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-13-14	Drilling End Date: 5-27-14	Page 3 of 8
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028572.42 E: 1440762.33	Total Depth (ft.): 143.00	Measuring Point Elevation (ft.): 677.76	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41–59		**SEE BORING LOG FOR WELL RMW-14A**
	100	CUT			55–59		SILTY SAND (SM), 50% silt, 50% coarse-grained sand, subrounded quartz, 20% mica (muscovite/pyrite), translucent, white, gold, bronze, no odor.

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SOIL BORING LOG

BORING NO. RMW-14C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-13-14	5-27-14	4 8
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028572.42 E: 1440762.33	Total Depth (ft.): 143.00	Measuring Point Elevation (ft.): 677.76		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
	100	CUT			61–75		SILTY SAND (SM), 50% silt, 50% coarse-grained sand, subrounded quartz with 20% mica (muscovite/pyrite), translucent, white, gold, bronze, no odor. -as above.
	100	CUT			75–79		SAND (SP), 80% coarse-grained sand, 20% silt, sand comprised of 60% quartz and 20% mica, translucent, white, gold, bronze, no odor.

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SOIL BORING LOG

BORING NO. RMW-14C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-13-14	5-27-14	5 8
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028572.42 E: 1440762.33	Total Depth (ft.): 143.00	Measuring Point Elevation (ft.): 677.76		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					81		SAND (SP), 80% coarse-grained sand, 20% silt, sand comprised of 60% quartz and 20% mica, translucent, white, gold, bronze, no odor.
					82		
					83		
					84		
					85		
					86		
					87		
					88		
					89		
	100	CUT			90		ROCK LAYER, gravel, subrounded and angular, quartz and mica, translucent, white, bronze.
	100	CUT			91		SAND (SP), 80% coarse-grained sand, 20% silt, sand comprised of 60% quartz and 20% mica, brown to light brown, translucent, white, bronze and gold.
					92		
					93		
					94		
					95		
					96		
					97		
	100	CUT			98		SILTY SAND (SM), 60% coarse-grained sand, 40% silt, sand comprised of 40% translucent quartz and 20% bronze/gold mica.
					99		

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SOIL BORING LOG

BORING NO. RMW-14C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-13-14	5-27-14	6 8
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028572.42 E: 1440762.33	Total Depth (ft.): 143.00	Measuring Point Elevation (ft.): 677.76		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					101		SILTY SAND (SM), 60% coarse-grained sand, 40% silt, sand comprised of 40% translucent quartz and 20% bronze/gold mica.
					102		
					103		
					104		
					105		
					106		
					107		
					108		
					109		
	100	CUT			110		SILTY-SAND (SM), 60% sand, 40% silt, thin <2" hard layers [Transition Zone].
					111		
					112		
					113		
					114		
					115		
					116		
					117		
	100	CUT			118		ROCK LAYER.
	100	CUT			119		SILTY SAND (SM), 60% sand, 40% silt, translucent, white, gold, bronze, light brown.

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SOIL BORING LOG

BORING NO. RMW-14C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-13-14	5-27-14	7 8
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028572.42 E: 1440762.33	143.00	677.76		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					121		SILTY SAND (SM), 60% sand, 40% silt, translucent, white, gold, bronze, light brown.
	100	CUT			122		ROCK LAYER.
	100	CUT					SILTY SAND (SM), 60% sand, 40% silt, translucent, white, gold, bronze, light brown.
					123		
					124		
					125		
					126		
					127		
					128		
					129		
					130		
					131		
					132		
	100	CUT					BEDROCK, 50% fine-grained sand to gravel, white to translucent, angular quartz, 50% tan, light brown, bronze, and gold mica.
					133		
					134		
					135		
					136		
					137		
	100	CUT					BEDROCK, translucent quartz, tan to white feldspar, black biotite and hornblende.
					138		
					139		

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SOIL BORING LOG

BORING NO. RMW-14C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-13-14	Drilling End Date: 5-27-14	Page 8 of 8
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028572.42 E: 1440762.33	Total Depth (ft.): 143.00	Measuring Point Elevation (ft.): 677.76	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					141		BEDROCK, translucent quartz, tan to white feldspar, black biotite and hornblende.
					142		
					143		**BORING TERMINATED AT 143 FEET**
					144		
					145		
					146		
					147		
					148		
					149		
					150		
					151		
					152		
					153		
					154		
					155		
					156		
					157		
					158		
					159		

SOIL BORING LOG

BORING NO. RMW-15

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-6-14	5-6-14	1 1
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028674.91 E: 1440920.34	Total Depth (ft.): 18.70	Measuring Point Elevation (ft.): 675.07		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-15A**
							BORING TERMINATED AT 18.7 FEET

Greenville (ver. 9/1/97)

SOIL BORING LOG

BORING NO. RMW-15A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-6-14	5-6-14	1 4
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028676.74 E: 1440915.25	76.70	675.05		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–8		SILTY SAND (SM), 60% sand, 40% silt, low plasticity, medium toughness, light brown to brown, no odor, dry, medium dense.
	100	SS	4 5 6 10				
	100	SS	2 5 6 5		8–13		SAND (SP), 60% sand, 20% silt, 20% gravel, low plasticity, low toughness, light brown to yellow orange, no odor, moist, medium dense.
	100	SS	1 1 2 2		13–18		POORLY-SORTED SAND (SW), 90% sand, 10% silt, low plasticity, low toughness, brown, no odor, wet, very loose, micacious.
	100	SS	1 1 1 1		18–19		-as above.
					19		POORLY-SORTED SAND (SW), 80% sand, 20% silt, low plasticity, low toughness, tan, brown to dark brown, no odor, wet, very loose, micaceous [Saprolite].

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SOIL BORING LOG

BORING NO. RMW-15A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-6-14	5-6-14	2 4
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028676.74 E: 1440915.25	76.70	675.05		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		POORLY-SORTED SAND (SW), 80% sand, 20% silt, low plasticity, low toughness, tan, brown to dark brown, no odor, wet, very loose, micaceous [Saprolite].
					22		
					23		
	100	SS	1 1 2 2		24		SILTY SAND (SM), 60% sand, 40% silt, medium plasticity, low toughness, white, light tan to brown, no odor, wet, very loose [Saprolite].
					25		
					26		
					27		
					28		
	100	SS			29		SILTY SAND (SM), 60% silt, 40% sand, medium plasticity, low toughness, yellow, orange, light tan, light brown, no odor, wet, laminated [Saprolite].
					30		CLAYEY SILT (ML), 60% silt, 40% clay, medium plasticity, low toughness, mostly white, light tan to tan, no odor, wet, very loose, distinct color change to white with tan lamination.
					31		
					32		
					33		
	100	SS	1 2 3 2		34		SANDY SILT (ML), 50% silt, 40% sand, 10% gravel, low plasticity, low toughness, light tan to tan with black inclusions, no odor, moist, loose [Saprolite].
					35		CLAYEY SILT (ML), 60% silt, 30% clay, 10% sand, medium plasticity, low toughness, tan, white and brown, no odor, moist, soft [Saprolite].
					36		
					37		
					38		
	75	SS	1 2 2 3		39		CLAYEY SILT (ML), 40% clay, 40% silt, 20% sand, medium plasticity, low toughness, tan, orange and white, no odor, moist, soft, black inclusions, laminated [Saprolite].

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SOIL BORING LOG

BORING NO. RMW-15A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-6-14	5-6-14	3 4
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028676.74 E: 1440915.25	76.70	675.05		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		CLAYEY SILT (ML), 40% clay, 40% silt, 20% sand, medium plasticity, low toughness, tan, orange and white, no odor, moist, soft, black inclusions, laminated [Saprolite].
					42		
					43		
	50	SS	1 2 2 4		44		POORLY-SORTED SAND WITH GRAVEL (SW), 50% fine-grained sand, 40% gravel, 10% silt, low plasticity, low toughness, tan, white, no odor, moist, very loose, black inclusions, 5mm angular quartz.
					45		
					46		
					47		
					48		
	50	SS	1 1 3 4		49		SILTY SAND (SM), 50% sand, 30% silt, 10% clay, 10% gravel, medium to low plasticity, low toughenss, orange and tan, white, no odor, very loose, 2mm quartz, white lamination [Saprolite].
					50		
					51		
					52		
					53		
	50	SS	1 3 5 8		54		SILTY SAND (SM), 50% sand, 40% silt, 10% gravel, low plasticity, low toughness, yellow-orange, white bands of coarse-grained sand and 2mm gravel, no odor, moist, loose, gold brown lamination from top to bottom.
					55		
					56		
					57		
					58		
	50	SS	1 3 6 9		59		SILTY SAND (SM), 70% sand, 30% silt, brown to tan, 40% gold flakes, no odor, moist, loose, color is consistent, very micaceous.

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SOIL BORING LOG

BORING NO. RMW-15A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-6-14	5-6-14	4 4
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028676.74 E: 1440915.25	76.70	675.05		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					61		SILTY SAND (SM), 70% sand, 30% silt, brown to tan, 40% gold flakes, no odor, moist, loose, color is consistent, very micaceous.
					62		
					63		
	100	SS	3 6 12 14		64		-as above.
					65		SANDY SILT (ML), 60% silt, 30% sand, 10% 2mm gravel in white band 2", low plasticity, low toughness, yellow-orange, no odor, moist, medium dense, black inclusions.
					66		
					67		
					68		
	50	SS	6 15 17 25		69		SAND (SP), 90% sand, 10% 1mm gravel, low toughness, yellow, orange, tan to white, no odor, moist, dense [Saprolite].
					70		
					71		
					72		
					73		
	50	SS	19 20 30 38		74		SAND (SP), 90% sand, 10% gravel, orange, coarse-grained sand/gravel is approximentaly 1mm in 2" thick white quartz bands, no odor, moist, dense.
					75		
					76		**BORING TERMINATED AT 75 FEET**
					77		
					78		
					79		

SOIL BORING LOG

BORING NO. RMW-15B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-12-14	5-12-14	1 8
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028679.68 E: 1440902.68	Total Depth (ft.): 151.00	Measuring Point Elevation (ft.): 675.33		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		**SEE BORING LOG FOR WELL RMW-15A**

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SOIL BORING LOG

BORING NO. RMW-15B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-12-14	5-12-14	2 8
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028679.68 E: 1440902.68	Total Depth (ft.): 151.00	Measuring Point Elevation (ft.): 675.33		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39		**SEE BORING LOG FOR WELL RMW-15A**

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SOIL BORING LOG

BORING NO. RMW-15B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-12-14	5-12-14	3 8
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028679.68 E: 1440902.68	Total Depth (ft.): 151.00	Measuring Point Elevation (ft.): 675.33		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59		**SEE BORING LOG FOR WELL RMW-15A**

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SOIL BORING LOG

BORING NO. RMW-15B

Client: WestPoint Home, Inc.	Drilling Start Date: 5-12-14	Drilling End Date: 5-12-14	Page 4 of 8
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028679.68 E: 1440902.68	Total Depth (ft.): 151.00	Measuring Point Elevation (ft.): 675.33	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					60		**SEE BORING LOG FOR WELL RMW-15A**
					61		
					62		
					63		
					64		
					65		
					66		
					67		
					68		
					69		
					70		
					71		
					72		
					73		
					74		
					75		
	100	CUT			76		SILTY SAND (SM), 40% coarse-grained sand, 30% silt, 20% gravel, 10% clay, angular quartz, translucent gravel, tan, light brown.
					77		
					78		
					79		

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-15B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-12-14	5-12-14	5 8
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028679.68 E: 1440902.68	Total Depth (ft.): 151.00	Measuring Point Elevation (ft.): 675.33		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
	100	CUT			81		SILTY SAND (SM), 60% coarse to medium-grained sand, 40% silt and clay, translucent to light tan sand, tan.
					82		
					83		
					84		
					85		
					86		
					87		
					88		
					89		
	90	CUT			90		-as above.
					91		
					92		
					93		
					94		
					95		
					96		
					97		
					98		
					99		

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-15B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-12-14	5-12-14	6 8
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028679.68 E: 1440902.68	151.00	675.33		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					101		SILTY SAND (SM), 60% coarse to medium-grained sand, 40% silt and clay, translucent to light tan sand, tan.
	100	CUT			102		SANDY GRAVEL (SP), 80% gravel and fine-grained sand, 20% silt, translucent to light tan sand, tan, resistant rock layers apper to be +/- 3' thick, quartz rock [Transition Zone].
	100	CUT			103		POORLY-SORTED SILTY SAND (SM), 50% coarse-grained sand, 40% silt and clay, 10% gravel, translucent to white gravel and sand, light tan.
	100	CUT			105		-as above; 2" to 4" rock layers, no odor.
	100	CUT			108		-as above.
	100	CUT			112		-as above.
	100	CUT			118		SAND (SP), 80% coarse-grained sand, 20% silt and clay, white to translucent quartz sand, fine-grained silts are light tan to tan, 4" rock layers.

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SOIL BORING LOG

BORING NO. RMW-15B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-12-14	5-12-14	7 8
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028679.68 E: 1440902.68	151.00	675.33		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					121		SAND (SP), 80% coarse-grained sand, 20% silt and clay, white to translucent quartz sand, 4" rock layers.
					122		
					123		
					124		
					125		
					126		
					127		
					128		
	100	CUT			129		-as above; rock layers become thicker +/- 8".
					130		
					131		
					132		
					133		
					134		
					135		
					136		
					137		
	100	CUT			138		-as above; 10% micaceous cuttings, continue to drill through weathered rock with hard zones 2", 4", 8" thick.
					139		

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SOIL BORING LOG

BORING NO. RMW-15B

Client: WestPoint Home, Inc.	Drilling Start Date: 5-12-14	Drilling End Date: 5-12-14	Page 8 of 8
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028679.68 E: 1440902.68	Total Depth (ft.): 151.00	Measuring Point Elevation (ft.): 675.33	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					141		SAND (SP), 80% coarse-grained sand, 20% silt and clay, white to translucent quartz sand, fine-grained silts are light tan to tan, micaceous, +/- 8" rock layers.
					142		
					143		
					144		
					145		
					146		
					147		
					148		
					149		
					150		**BORING TERMINATED AT 151 FEET**
					151		
					152		
					153		
					154		
					155		
					156		
					157		
					158		
					159		

SOIL BORING LOG

BORING NO. RMW-16

Client: WestPoint Home, Inc.	Drilling Start Date: 5-1-14	Drilling End Date: 5-1-14	Page 1 of 1
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Hollow Stem Auger		Project Number: 208464.0.0.1
Geologist/Technician: Michelle Hays	Driller (name/company): Brett Burnett, AE Drilling Services, LLC	Drill Rig Type: CME 750	Borehole Diameter (in.): 8.0
Boring Coordinates: N: 1028776.52 E: 1440902.08	Total Depth (ft.): 20.00	Measuring Point Elevation (ft.): 671.92	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-16A**
							BORING TERMINATED AT 20 FEET

Greenville (ver. 9/1/97)

SOIL BORING LOG

BORING NO. RMW-16A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-5-14	5-5-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028774.56 E: 1440905.07	58.00	671.79		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–3		SAND (SP), medium-grained sand, low plasticity, low toughness, brown, no odor, moist, medium dense.
	100	SS	3 7 12 18		4–8		SANDY SILT (MLS), 70% silt, 30% sand, low plasticity, low toughness, light brown 5YR 4/4, no odor, moist, medium dense.
	100	SS	3 4 5 6		8–13		CLAYEY SILT (ML), 50% silt, 50% clay, medium plasticity, medium toughness, white, no odor, dry, loose, micaceous [Saprolite].
	50	SS	2 2 2 3		13–18		POORLY-SORTED SAND (SW), coarse-grained sand, low plasticity, low toughness, light brown 5YR 4/4, orange, no odor, wet, very loose.
	100	SS	3 3 3 2		18–19		-as above. CLAYEY SILT (ML), 50% silt, 30% clay, 20% coarse-grained sand, low plasticity, low toughness, white, light brown 5YR 4/4, yellow, orange, black, no odor, wet, very loose, loose micaceous,

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SOIL BORING LOG

BORING NO. RMW-16A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-5-14	5-5-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028774.56 E: 1440905.07	58.00	671.79		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		quartz [Saprolite] .
					22		CLAYEY SILT (ML), 50% silt, 30% clay, 20% coarse-grained sand, low plasticity, low toughness, white, light brown 5YR 4/4, yellow, orange, black, no odor, wet, very soft, loose micaceous, quartz [Saprolite] .
	50	SS	3 3 3 3		23		-as above.
					24		
					25		
					26		
					27		
					28		
	100	SS	4 3 4 5		29		POORLY-SORTED SAND (SW), 90% coarse-grained sand, 10% silt, low plasticity, low toughness, light brown 5YR 4/4, no odor, moist, loose.
					30		-as above; with 80% sand, 20% silt, low plasticity, low toughness, dark brown, white, yellowish orange 10YR 6/6, no odor, wet, very soft, micaceous quartz vein [Saprolite].
					31		
					32		
	50	SS	2 3 4 5		33		-as above; light brown 5YR 5/6, pyrite.
					34		
					35		
					36		
					37		
					38		
	50	SS	1 3 4 5		39		POORLY-SORTED SAND (SW), 20% coarse-grained sand, 30% fine-grained sand, 40% silt, 10% clay, low plasticity, low toughness, light brown 5YR 4/4, white, orange, no odor, wet, loose, micaceous quartz [Saprolite].

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SOIL BORING LOG

BORING NO. RMW-16A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-5-14	5-5-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028774.56 E: 1440905.07	58.00	671.79		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		POORLY-SORTED SAND (SW), 20% coarse-grained sand, 30% fine-grained sand, 40% silt, 10% clay, low plasticity, low toughness, light brown 5YR 4/4, white, orange, no odor, wet, loose, micaceous quartz [Saprolite].
					42		
					43		
	100	SS	1 3 5 7		44		-as above.
					45		SILTY SAND (SM), 50% sand, 30% silt, 20% quartz gravel, low plasticity, low toughness, white, orange, no odor, wet, loose, no micaceous [Saprolite].
					46		
					47		
					48		
	50	SS	3 13 18 22		49		SILTY SAND (SM), 50% sand, 50% silt, medium plasticity, medium toughness, gray, orange, no odor, wet, dense, laminated [Saprolite].
					50		POORLY-SORTED SAND (SW), medium-grained sand, low plasticity, low toughness, light brown 5YR 4/4, no odor, wet, dense, laminated [Saprolite].
					51		
					52		
					53		
	0	SS			54		-no recovery.
					55		
					56		
					57		
					58		**BORING TERMINATED AT 58 FEET**
					59		

SOIL BORING LOG

BORING NO. RMW-16B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-29-14	5-29-14	1 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028771.46 E: 1440908.77	108.00	671.9		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		**SEE BORING LOG FOR WELL RMW-16A**

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SOIL BORING LOG

BORING NO. RMW-16B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-29-14	5-29-14	2 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028771.46 E: 1440908.77	108.00	671.9		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-16A**
					22		
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

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SOIL BORING LOG

BORING NO. RMW-16B

Client: WestPoint Home, Inc.	Drilling Start Date: 5-29-14	Drilling End Date: 5-29-14	Page 3 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028771.46 E: 1440908.77	Total Depth (ft.): 108.00	Measuring Point Elevation (ft.): 671.9	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		**SEE BORING LOGS FOR WELLS RMW-16A AND RMW-16C**
					42		
					43		
					44		
					45		
					46		
					47		
					48		
					49		
					50		
					51		
					52		
					53		
					54		
					55		
					56		
					57		
					58		
					59		

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SOIL BORING LOG

BORING NO. RMW-16B

Client: WestPoint Home, Inc.	Drilling Start Date: 5-29-14	Drilling End Date: 5-29-14	Page 4 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028771.46 E: 1440908.77	Total Depth (ft.): 108.00	Measuring Point Elevation (ft.): 671.9	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					60		**SEE BORING LOG FOR WELL RMW-16C**
					61		
					62		
					63		
					64		
					65		
					66		
					67		
					68		
					69		
					70		
					71		
					72		
					73		
					74		
					75		
					76		
					77		
					78		
					79		

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SOIL BORING LOG

BORING NO. RMW-16B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-29-14	5-29-14	5 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028771.46 E: 1440908.77	108.00	671.9		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99		**SEE BORING LOG FOR WELL RMW-16C**

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SOIL BORING LOG

BORING NO. RMW-16B

Client: WestPoint Home, Inc.	Drilling Start Date: 5-29-14	Drilling End Date: 5-29-14	Page 6 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028771.46 E: 1440908.77	Total Depth (ft.): 108.00	Measuring Point Elevation (ft.): 671.9	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					101		**SEE BORING LOG FOR WELL RMW-16C**
					102		
					103		
					104		
					105		
					106		
					107		
					108		**BORING TERMINATED AT 108 FEET**
					109		
					110		
					111		
					112		
					113		
					114		
					115		
					116		
					117		
					118		
					119		

SOIL BORING LOG

BORING NO. RMW-16C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-8-14	5-23-14	1 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028767.88 E: 1440911.64	132.00	671.76		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		**SEE BORING LOG FOR WELL RMW-16A**

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SOIL BORING LOG

BORING NO. RMW-16C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-8-14	5-23-14	2 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028767.88 E: 1440911.64	132.00	671.76		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-16A**
					22		
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

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SOIL BORING LOG

BORING NO. RMW-16C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-8-14	5-23-14	3 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028767.88 E: 1440911.64	132.00	671.76		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59		**SEE BORING LOG FOR WELL RMW-16A**

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SOIL BORING LOG

BORING NO. RMW-16C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-8-14	5-23-14	4 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028767.88 E: 1440911.64	132.00	671.76		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					60		no recovery.
					61		
					62		
					63		
					64		
					65		
					66		
					67		
					68		
					69		
					70		
					71		
					72		
					73		
					74		
					75		
					76		
					77		
					78		
					79		

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SOIL BORING LOG

BORING NO. RMW-16C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-8-14	5-23-14	5 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028767.88 E: 1440911.64	132.00	671.76		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					81		no recovery.
					82		
					83		
					84		
					85		
					86		
					87		
					88		
					89		
					90		
					91		
					92		
					93		
					94		
					95		
	100	CUT			96		TRANSITION ZONE, interbeded rock layers.
					97		
					98		
					99		

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SOIL BORING LOG

BORING NO. RMW-16C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-8-14	5-23-14	6 7
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028767.88 E: 1440911.64	132.00	671.76		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					101		TRANSITION ZONE, interbeded rock layers.
					102		
					103		
					104		
					105		
					106		
					107		
	100	CUT			108		BEDROCK.
					109		
					110		
					111		
					112		
	100	CUT			113		BEDROCK, 70% translucent to tan quartz, 25% white feldspar, 5% black/dark hornblende.
					114		
					115		
					116		
					117		
	100	CUT			118		BEDROCK, 70% quartz, 30% feldspar.
					119		

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SOIL BORING LOG

BORING NO. RMW-16C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-8-14	Drilling End Date: 5-23-14	Page 7 of 7
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028767.88 E: 1440911.64	Total Depth (ft.): 132.00	Measuring Point Elevation (ft.): 671.76	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					121		BEDROCK, 70% quartz, 30% feldspar.
	100	CUT			122		BEDROCK, 90% well-sorted, coarse to fine-grained sand, light brown 5YR 4/4 to tan sand, 10% quartz and feldspar rock cuttings.
					123		
					124		
					125		
					126		
					127		
					128		
					129		
					130		
					131		
					132		**BORING TERMINATED AT 132 FEET**
					133		
					134		
					135		
					136		
					137		
					138		
					139		

SOIL BORING LOG

BORING NO. RMW-17

Client: WestPoint Home, Inc.	Drilling Start Date: 4-18-14	Drilling End Date: 4-18-14	Page 1 of 1
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Hollow Stem Auger		Project Number: 208464.0.0.1
Geologist/Technician: Michelle Hays	Driller (name/company): Brett Burnett, AE Drilling Services, LLC	Drill Rig Type: CME 750	Borehole Diameter (in.): 8.0
Boring Coordinates: N: 1028781.46 E: 1440765.90	Total Depth (ft.): 18.00	Measuring Point Elevation (ft.): 674.16	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-17A**
					18		**BORING TERMINATED AT 18 FEET**

Greenville (ver. 9/1/97)

SOIL BORING LOG

BORING NO. RMW-17A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-22-14	4-22-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028780.53 E: 1440769.92	60.00	674.09		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		SILT (ML), 75% silt, 15% clay, 10% fine-grained sand, low plasticity, moderate toughness, moderate reddish orange 10R 6/6, no odor, dry, medium dense.
	100	SS	4 7 11 15		2 3 4 5 6 7		
	100	SS	6 5 10 12		8 9 10 11 12		CLAYEY SILT (ML), 60% silt, 30% clay, 10% sand, moderate plasticity, high toughness, moderate reddish orange 10R 6/6 to light brown 5YR 5/6, no odor, dry, stiff [Saprolite].
	50	SS	3 4 3 3		13 14 15 16 17		SANDY SILT (ML), 60% silt, 30% sand, 10% clay, medium-grained quartz and feldspar, low plasticity, low toughness, light brown 5YR 5/6 to grayish orange 10YR 7/4, no odor, wet, loose [Saprolite].
	100	SS	1 1 1 2		18 19		SANDY SILT (ML), 50% silt, 30% sand, 20% clay, low plasticity, low toughness, light brown 5YR 5/6, no odor, wet, very loose, thin white lamination of quartz and feldspar at 20ft, micaceous [Saprolite].

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SOIL BORING LOG

BORING NO. RMW-17A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-22-14	4-22-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028780.53 E: 1440769.92	60.00	674.09		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SANDY SILT (ML), 50% silt, 30% sand, 20% clay, low plasticity, low toughness, light brown 5YR 5/6, no odor, wet, very loose, thin white lamination of quartz and feldspar at 20ft, micaceous [Saprolite].
					22		
					23		
	100	SS	1 1 2 2		24		SILT (ML), 60% silt, 20% sand, 20% clay, moderate plasticity, low toughness, light brown 5YR 5/6 to grayish orange 10YR 7/4 to black, no odor, wet, very loose, thin brown/black lamination throughout, very micaceous [Saprolite].
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
	100	SS	WOH 1 2 3		34		SILT (ML), 40% silt, 40% clay, 20% sand, moderate plasticity, moderate toughness, moderate reddish orange 10R 6/6, black and white, no odor, wet, very loose, thinly laminated throughout, very micaceous [Saprolite].
					35		
					36		
					37		
					38		
	100	SS	3 4 4 8		39		SANDY SILT (ML), 60% silt, 30% sand, 10% clay, low plasticity, moderate toughness, moderate reddish orange 10R 6/6 to light brown 5YR 5/6, no odor, wet, loose, laminated throughout, very micaceous [Saprolite].

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SOIL BORING LOG

BORING NO. RMW-17A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-22-14	4-22-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028780.53 E: 1440769.92	60.00	674.09		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		SANDY SILT (ML), 60% silt, 30% sand, 10% clay, low plasticity, moderate toughness, moderate reddish orange 10R 6/6 to light brown 5YR 5/6, no odor, wet, loose, laminated throughout, very micaceous [Saprolite].
					42		
					43		
					44		
					45		
					46		
					47		
					48		
	100	SS	1 2 2 7		49		SANDY SILT (ML), 50% silt, 35% sand, 15% clay, low plasticity, moderate toughness, grayish red 5R 4/2, no odor, wet, very loose, clay lenses throughout, very micaceous [Saprolite].
	100	SS	4 6 8 10		50		SANDY SILT (ML), 40% silt, 40% sand, 20% clay, medium to coarse-grained quartz, low plasticity, moderate toughness, grayish orange 10YR 7/4, no odor, wet, medium dense, thin lamination of clay throughout, very micaceous.
					51		
					52		
					53		
	100	SS	6 8 15 20		54		
					55		
					56		
					57		
					58		
					59		**BORING TERMINATED AT 60 FEET**

SOIL BORING LOG

BORING NO. RMW-18

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-23-14	4-23-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028999.35 E: 1440138.40	Total Depth (ft.): 26.00	Measuring Point Elevation (ft.): 685.95		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		**SEE BORING LOG FOR WELL RMW-18A**

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SOIL BORING LOG

BORING NO. RMW-18

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-23-14	4-23-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028999.35 E: 1440138.40	Total Depth (ft.): 26.00	Measuring Point Elevation (ft.): 685.95		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-18A**
					22		
					23		
					24		
					25		
					26		**BORING TERMINATED AT 26 FEET**
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-18A

Client:	Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.	4-23-14	4-23-14	1 3
Site:	**Drilling Method:**		**Project Number:**
Former WPH Site, Clemson, South Carolina	Hollow Stem Auger		208464.0.0.1
Geologist/Technician: / **Driller (name/company):**	**Drill Rig Type:**		**Borehole Diameter (in.)**
Michelle Hays / Brett Burnett, AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: / **Total Depth (ft.):**	**Measuring Point Elevation (ft.):**		
N: 1029000.25 E: 1440133.52 / 59.00	685.86		
Datum Description: / **Datum Elevation (ft.):**	**Checked by:**		
NAVD 88	LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–13		SILT (ML), 80% silt, 20% sand, nonplastic, low toughness, moderate reddish brown 10R 4/6, no odor, dry, loose.
	100	SS	5 4 6 9				
	100	SS	3 7 10 13				
	100	SS	3 2 5 8		13–18		SILT (ML), 70% silt, 20% sand, 10% clay, low plasticity, low toughness, moderate reddish orange 10R 6/6, no odor, dry, loose, micaceous [Saprolite].
	100	SS	1 2 2 2		18–19		CLAYEY SILT (ML), 50% silt, 30% clay, 20% sand, low plasticity, low toughness, moderate reddish orange 10R 6/6, no odor, moist, medium stiff, very micaceous [Saprolite].

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SOIL BORING LOG

BORING NO. RMW-18A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-23-14	4-23-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1029000.25 E: 1440133.52	59.00	685.86		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		CLAYEY SILT (ML), 50% silt, 30% clay, 20% sand, low plasticity, low toughness, moderate reddish orange 10R 6/6, no odor, moist, medium stiff, very micaceous [Saprolite].
					22		
					23		
	100	SS	1 1 2 2		24		CLAYEY SILT (ML), 60% silt, 25% clay, 15% sand, coarse-grained quartz, low plasticity, low toughness, moderate reddish orange 10R 6/6, no odor, wet, soft, thin black and white lamination from 24' to 25', very micaceous [Saprolite].
					25		
					26		
					27		
					28		
	100	SS	2 3 4 3		29		-as above; moderate reddish orange 10R 6/6 and light brown 5YR 5/6.
					30		
					31		
					32		
					33		
	100	SS	1 2 3 3		34		CLAYEY SILT (ML), 50% silt, 30% clay, 20% sand, low plasticity, low toughness, light brown 5YR 5/6 and black, no odor, wet, medium stiff, thinly laminated throughout, very micaceous [Saprolite].
					35		
					36		
					37		
					38		
	100	SS	2 2 4 6		39		-as above; quartz vein at 38.5'.

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SOIL BORING LOG

BORING NO. RMW-18A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-23-14	4-23-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1029000.25 E: 1440133.52	59.00	685.86		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		CLAYEY SILT (ML), 50% silt, 30% clay, 20% sand, low plasticity, low toughness, light brown 5YR 5/6 and black, no odor, wet, medium stiff, thinly laminated throughout, very micaceous [Saprolite].
					42		
					43		
	100	SS	3 6 7 6		44		
					45		
					46		
					47		
					48		
	100	SS	4 6 7 8		49		CLAYEY SILT WITH SAND (ML), 40% silt, 30% clay, 30% sand, low plasticity, low toughness, light brown 5YR 5/6, no odor, wet, stiff, laminated from 48' to 50', very micaceous [Saprolite].
					50		
	100	SS	3 6 9 7		51		
					52		
					53		
					54		
					55		
					56		
					57		
					58		
					59		**BORING TERMINATED AT 59 FEET**

SOIL BORING LOG

BORING NO. RMW-19

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-8-14	4-8-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028759.70 E: 1440210.18	Total Depth (ft.): 28.00	Measuring Point Elevation (ft.): 685.35		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-19A**

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SOIL BORING LOG

BORING NO. RMW-19

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-8-14	4-8-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028759.70 E: 1440210.18	28.00	685.35		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-19A**
					22		
					23		
					24		
					25		
					26		
					27		
					28		**BORING TERMINATED AT 28 FEET**
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-19A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-8-14	4-8-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028769.53 E: 1440211.82	58.50	685.19		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		SILT (ML), little fine to coarse-grained sand, little clay, low plasticity, low toughness, red, no odor, dry, loose.
	75	SS	2 3 2 2		2 3 4 5 6 7 8		
	100	SS	3 2 2 3		9 10 11 12 13		
	100	SS	4 7 10 11		14		SILT (ML), little fine to coarse-grained sand, little clay, low plasticity, low toughness, yellow, no odor, dry, medium dense, red mottling, micaceous.
	75	SS	2 2 3 3		15 16 17 18 19		SILT (ML), little fine-grained sand, nonplastic, low toughness, red, no odor, dry, loose, micaceous.

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SOIL BORING LOG

BORING NO. RMW-19A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-8-14	4-8-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028769.53 E: 1440211.82	58.50	685.19		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SILT (ML), little fine-grained sand, nonplastic, low toughness, red, no odor, dry, loose, micaceous.
					22		
					23		
	100	SS	0 2 3 3		24		
					25		SANDY SILT (ML), fine-grained, nonplastic, low toughness, red, no odor, dry, loose, black mottling, 0.2' white stratificiation at 24.7', micaceous.
					26		
					27		
					28		
	100	SS	1 2 3 3				SILT (ML), little fine-grained sand, nonplastic, low toughness, red, no odor, wet, loose, micaceous.
					29		CLAY (CL), few fine-grained sand, medium plasticity, low toughness, brown, no odor, moist, medium stiff, micaceous.
					30		SILTY SAND (SM), fine to coarse-grained, red, no odor, moist, black mottling, micaceous [Saprolite].
					31		
					32		
					33		
	100	SS	1 3 4 5				SILT (ML), little fine-grained sand, nonplastic, low toughness, red, no odor, wet, loose, micaceous.
					34		CLAY (CL), few fine-grained sand, medium plasticity, low toughness, red, no odor, moist, medium stiff.
					35		SILTY SAND (SM), fine to coarse-grained, red, no odor, moist, black mottling encased in tan mottling [Saprolite].
					36		
					37		
					38		
	100	SS	1 3 4 5				CLAYEY SILT (MH), trace fine-grained sand, medium plasticity, low toughness, red, no odor, wet, medium stiff, micaceous.
					39		SILTY SAND (SM), fine to coarse-grained, red, no odor, moist, black mottling, faint stratificaiton [Saprolite].

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SOIL BORING LOG

BORING NO. RMW-19A

Client:	Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.	4-8-14	4-8-14	3 3
Site:	**Drilling Method:**		**Project Number:**
Former WPH Site, Clemson, South Carolina	Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	**Driller (name/company):**	**Drill Rig Type:**	**Borehole Diameter (in.)**
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750	8.0
Boring Coordinates:	**Total Depth (ft.):**	**Measuring Point Elevation (ft.):**	
N: 1028769.53 E: 1440211.82	58.50	685.19	
Datum Description:	**Datum Elevation (ft.):**	**Checked by:**	
NAVD 88		LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		SILTY SAND (SM), fine to coarse-grained, red, no odor, moist, black mottling, faint stratificaiton [Saprolite].
					42		
					43		
	100	SS	2 4 4 6		44		SILT (ML), little fine-grained sand, nonplastic, low toughness, red, no odor, wet, loose, micaceous. CLAY (CL), few fine-grained sand, medium plasticity, low toughness, brown, no odor, moist, stiff, micaceous.
					45		SILTY SAND (SM), fine to coarse-grained, trace coarse-grained quartz, red, no odor, moist, black mottling, faint stratification, micaceous, [Saprolite].
					46		
					47		
					48		
	100	SS	2 4 4 5		49		CLAY (CL), few fine-grained sand, medium plasticity, low toughness, brown, no odor, moist, medium stiff, micaceous. SILTY SAND (SM), fine to coarse-grained, trace coarse-grained quartz, red, no odor, moist, 0.2' brown silt with black mottling at 48.5', stratification, micaceous [Saprolite].
					50		
					51		
					52		
					53		
	100	SS	2 2 3 4		54		SILT (ML), little fine-grained sand, nonplastic, low toughness, red, no odor, wet, very soft, micaceous. CLAY (CL), few fine-grained sand, medium plasticity, low toughness, brown, no odor, moist, soft, micaceous.
					55		SILTY SAND (SM), fine to medium-grained, red, no odor, moist, black mottling, micaceous.
					56		
					57		
					58		
					59		**BORING TERMINATED AT 58.5 FEET**

SOIL BORING LOG

BORING NO. RMW-20

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-28-14	4-28-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028873.00 E: 1440257.54	Total Depth (ft.): 25.00	Measuring Point Elevation (ft.): 684.53		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		**SEE BORING LOG FOR WELL RMW-20A**

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SOIL BORING LOG

BORING NO. RMW-20

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-28-14	4-28-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028873.00 E: 1440257.54	Total Depth (ft.): 25.00	Measuring Point Elevation (ft.): 684.53		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-20A**
					22		
					23		
					24		
					25		**BORING TERMINATED AT 25 FEET**
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-20A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-29-14	4-29-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028869.05 E: 1440256.48	58.00	684.8		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–10		SILT (ML), 80% silt, 20% medium to fine-grained sand, nonplastic, low toughness, moderate reddish orange 10R 6/6, no odor, dry, loose.
	100	SS	7 5 4 5		3–4		
	100	SS	7 6 5 9		7–8		
	100	SS	9 5 6 6		10–11		SANDY SILT (ML), 60% silt, 30% fine-grained, 10% clay, low plasticity, moderate toughness, moderate reddish orange 10R 6/6, no odor, dry, medium dense, angular micas and lithics [Saprolite].
					13		-as above; moist.
	100	SS	2 2 2 2		16–17		CLAY (CL), 80% clay, 20% coarse-grained sand, low plasticity, low toughness, moderate reddish orange 10R 6/6 and white, no odor, moist, medium stiff.
	100	SS	WOH 4 4 3		18–19		SILTY CLAY WITH SAND (CL/ML), coarse-grained, low plasticity, low toughness, moderate reddish orange 10R 6/6 and white, no odor, wet, loose, trace mica [Saprolite].

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-20A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-29-14	4-29-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028869.05 E: 1440256.48	Total Depth (ft.): 58.00	Measuring Point Elevation (ft.): 684.8		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SILTY CLAY WITH SAND (CL/ML), coarse-grained, low plasticity, low toughness, moderate reddish orange 10R 6/6 and white, no odor, wet, loose, trace mica [Saprolite].
					22		
					23		
	100	SS	WOH 1 1 3		24		-as above; with gravel-sized quartz grains in white clay layers approximately 2" thick.
					25		
					26		
					27		
					28		
					29		
					30		
	100	SS	1 2 3 4		31		SILT (ML), 70% silt, 15% fine-grained sand, 15% clay, low plasticity, low toughness, moderate reddish orange 10R 6/6, black and white, no odor, wet, loose, black nodules of alteration, trace mica [Saprolite].
					32		
					33		
					34		
					35		
	100	SS	1 2 3 4		36		
					37		
					38		
					39		

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SOIL BORING LOG

BORING NO. RMW-20A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-29-14	4-29-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028869.05 E: 1440256.48	58.00	684.8		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		SILT (ML), 70% silt, 15% fine-grained sand, 15% clay, low plasticity, low toughness, moderate reddish orange 10R 6/6, black and white, no odor, wet, loose, black nodules of alteration, trace mica [Saprolite].
	100	SS	WOH 2 2 3		42		-as above.
	100	SS	3 2 2 3		43		SANDY SILT (ML), 40% silt, 40% sand, 20% clay, low plasticity, low toughness, moderate reddish orange 10R 6/6, black, light brown 5YR 5/6, no odor, wet, very loose, black and tan lamination, very micaceous [Saprolite].
					44		
					45		
					46		
					47		
					48		
	100	SS	WOH 1 4 5		49		SANDY SILT WITH CLAY (ML), 40% silt, 30% sand, 30% clay, low plasticity, low toughness, light brown 5YR 5/6, black, white, no odor, wet, medium stiff, black, white, and tan lamination, strong alteration, micaceous [Saprolite].
					50		
					51		
					52		
					53		
	100	SS	WOH WOH 2 5		54		SANDY SILT (ML), 40% silt, 40% sand, 20% clay, low plasticity, low toughness, light brown 5YR 5/6, black, white, no odor, wet, very loose, slightly laminated, alteration present, some mica, large quartz grains and lithics from 54.5' to 55' [Saprolite].
					55		
					56		
					57		
					58		**BORING TERMINATED AT 58 FEET**
					59		

SOIL BORING LOG

BORING NO. RMW-20B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-16-14	6-17-14	1 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028863.85 E: 1440255.10	Total Depth (ft.): 109.00	Measuring Point Elevation (ft.): 684.5		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		**SEE BORING LOG FOR WELL RMW-20A**

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SOIL BORING LOG

BORING NO. RMW-20B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-16-14	Drilling End Date: 6-17-14	Page 2 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028863.85 E: 1440255.10	Total Depth (ft.): 109.00	Measuring Point Elevation (ft.): 684.5	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-20A**
					22		
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

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SOIL BORING LOG

BORING NO. RMW-20B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-16-14	Drilling End Date: 6-17-14	Page 3 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028863.85 E: 1440255.10	Total Depth (ft.): 109.00	Measuring Point Elevation (ft.): 684.5	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		**SEE BORING LOGS FOR WELLS RMW-20A AND RMW-20C**
					42		
					43		
					44		
					45		
					46		
					47		
					48		
					49		
					50		
					51		
					52		
					53		
					54		
					55		
					56		
					57		
					58		
					59		

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SOIL BORING LOG

BORING NO. RMW-20B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-16-14	6-17-14	4 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Murphy Doty	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028863.85 E: 1440255.10	Total Depth (ft.): 109.00	Measuring Point Elevation (ft.): 684.5		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					60		**SEE BORING LOG FOR WELL RMW-20C**
					61		
					62		
					63		
					64		
					65		
					66		
					67		
					68		
					69		
					70		
					71		
					72		
					73		
					74		
					75		
					76		
					77		
					78		
					79		

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SOIL BORING LOG

BORING NO. RMW-20B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-16-14	Drilling End Date: 6-17-14	Page 5 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028863.85 E: 1440255.10	Total Depth (ft.): 109.00	Measuring Point Elevation (ft.): 684.5	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					81		**SEE BORING LOG FOR WELL RMW-20C**
					82		
					83		
					84		
					85		
					86		
					87		
					88		
					89		
					90		
					91		
					92		
					93		
					94		
					95		
					96		
					97		
					98		
					99		

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SOIL BORING LOG

BORING NO. RMW-20B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-16-14	Drilling End Date: 6-17-14	Page 6 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028863.85 E: 1440255.10	Total Depth (ft.): 109.00	Measuring Point Elevation (ft.): 684.5	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					101		**SEE BORING LOG FOR WELL RMW-20C**
					102		
					103		
					104		
					105		
					106		
					107		
					108		
					109		**BORING TERMINATED AT 109 FEET**
					110		
					111		
					112		
					113		
					114		
					115		
					116		
					117		
					118		
					119		

SOIL BORING LOG

BORING NO. RMW-20C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-21-14	Drilling End Date: 5-28-14	Page 1 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028857.56 E: 1440254.49	Total Depth (ft.): 119.00	Measuring Point Elevation (ft.): 687.26	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-20A**

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SOIL BORING LOG

BORING NO. RMW-20C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-21-14	Drilling End Date: 5-28-14	Page 2 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028857.56 E: 1440254.49	Total Depth (ft.): 119.00	Measuring Point Elevation (ft.): 687.26	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-20A**
					22		
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

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SOIL BORING LOG

BORING NO. RMW-20C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-21-14	Drilling End Date: 5-28-14	Page 3 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays; Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm		Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028857.56 E: 1440254.49; Total Depth (ft.): 119.00	Measuring Point Elevation (ft.): 687.26		
Datum Description: NAVD 88; Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		**SEE BORING LOG FOR WELL RMW-20A**
					42		
					43		
					44		
					45		
					46		
					47		
					48		
					49		
					50		
					51		
					52		
					53		
					54		
					55		
					56		
					57		
					58		
					59		
	100	CUT					SAND (SP), 70% sand composed of 50% translucent to tan quartz up to 5mm in size, 15% bronze mica, and 5% black hornblende, 20% silt, light brown 5YR 5/6, micaceous, 10% clay.

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SOIL BORING LOG

BORING NO. RMW-20C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-21-14	5-28-14	4 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028857.56 E: 1440254.49	Total Depth (ft.): 119.00	Measuring Point Elevation (ft.): 687.26		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					61		SAND (SP), 70% sand composed of 50% translucent to tan quartz up to 5mm in size, 15% bronze mica, and 5% black hornblende, 20% silt, light brown 5YR 5/6, micaceous, 10% clay.
					62		
					63		
					64		
					65		
					66		
					67		
					68		
					69		
	100	CUT			70		SAND (SP), 80% sand composed of 70% translucent to tan quartz, 5% white feldspar, and 5% bronze mica, 10% silt, 5% clay, tan, micaceous.
					71		
					72		
					73		
					74		
					75		
					76		
					77		
					78		
	100	CUT					TRANSITION ZONE, 4" thick rock lense.
	100	CUT			79		SAND (SP), 85% quartz, 5% feldspar, 5% mica, 5% hornblende.

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SOIL BORING LOG

BORING NO. RMW-20C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-21-14	5-28-14	5 6
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028857.56 E: 1440254.49	Total Depth (ft.): 119.00	Measuring Point Elevation (ft.): 687.26		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					81		SAND (SP), 85% quartz, 5% feldspar, 5% mica, 5% hornblende.
					82		
					83		
					84		
					85		
					86		
					87		
					88		
	100	CUT			89		SAND (SP), 80% sand composed of 70% quartz, 5% mica, and 5% feldspar, 20% silt, light tan and brown, approximatly 2" of rock followed by 6" of softer material.
					90		
					91		
					92		
					93		
					94		
					95		
					96		
					97		
					98		
	100	CUT			99		-as above.

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SOIL BORING LOG

BORING NO. RMW-20C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-21-14	Drilling End Date: 5-28-14	Page 6 of 6
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028857.56 E: 1440254.49	Total Depth (ft.): 119.00	Measuring Point Elevation (ft.): 687.26	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					101		SAND (SP), 80% sand composed of 70% quartz, 5% mica, and 5% feldspar, 20% silt, light tan and brown, approximatly 2" of rock followed by 6" of softer material.
					102		
					103		
					104		
					105		
					106		
					107		
	100	CUT			108		BEDROCK, 70% quartz, 20% feldspar, 10% mica.
					109		
					110		
					111		
					112		
	100	CUT			113		BEDROCK, 40% quartz, 30% feldspar, 30% hornblende.
					114		
					115		
					116		
					117		
					118		
					119		**BORING TERMINATED AT 119 FEET**

SOIL BORING LOG

BORING NO. RMW-21

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-24-14	4-24-14	1 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028957.93 E: 1440257.11	Total Depth (ft.): 30.00	Measuring Point Elevation (ft.): 688.52		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		**SEE BORING LOG FOR WELL RMW-21A**

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-21

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-24-14	4-24-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: N: 1028957.93 E: 1440257.11	Total Depth (ft.): 30.00	Measuring Point Elevation (ft.): 688.52		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-21A**
					22		
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		**BORING TERMINATED AT 30 FEET**
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-21A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-24-14	4-24-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028963.11 E: 1440258.52	58.00	688.56		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–8		SANDY SILT (ML), 60% silt, 40% sand, nonplastic, low toughness, moderate reddish orange 10R 6/6, no odor, dry, medium dense, visible quartz grains [Saprolite].
	25	SS	5 6 9 4		3–4		
	100	SS	2 5 7 1		8–13		SANDY SILT (ML), few clay, 60% silt, 30% sand, 10% clay, nonplastic, low toughness, moderate reddish orange 10R 6/6, no odor, dry, medium dense, little fine-grained micas [Saprolite].
	100	SS	6 7 9 11		13–18		-as above; quartz fragments at 13'.
	100	SS	2 3 4 5		18–19		CLAYEY SILT (ML), 50% silt, 30% clay, 20% sand, very fine-grained quartz, low plasticity, moderate toughness, moderate reddish orange 10R 6/6, no odor, dry, medium stiff, trace mica [Saprolite].

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SOIL BORING LOG

BORING NO. RMW-21A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-24-14	4-24-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028963.11 E: 1440258.52	58.00	688.56		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		CLAYEY SILT (ML), 50% silt, 30% clay, 20% sand, very fine-grained quartz, low plasticity, moderate toughness, moderate reddish orange 10R 6/6, no odor, dry, medium stiff, trace mica [Saprolite].
	100	SS	1 2 2 3		22		CLAYEY SILT (ML), 50% silt, 30% clay, 20% sand, very fine-grained quartz, low plasticity, moderate toughness, moderate reddish orange 10R 6/6, no odor, dry, medium stiff, few mica [Saprolite].
					23		
					24		
					25		
	0	SS	2 3 4 0		26		-no recovery.
					27		
					28		
					29		
					30		
					31		
	100	SS	2 3 4 5		32		SILT (ML), 60% silt, 20% sand, 20% clay, low plasticity, moderate toughness, moderate reddish brown 10R 4/6 and black, no odor, wet, loose, laminated, very micaceous, [Saprolite].
					33		
					34		
					35		
	100	SS	2 2 4 5		36		-as above; moderate reddish orange 10R 6/6 and black.
					37		
					38		
					39		
	100	SS	WOH 1				CLAYEY SILT (ML), few sand, 60% silt, 30% clay, 10% sand, medium to coarse-grained sand, low plasticity, moderate toughness, moderate reddish brown 10R 4/6, no odor, wet, soft, laminated,

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SOIL BORING LOG

BORING NO. RMW-21A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-24-14	4-24-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028963.11 E: 1440258.52	58.00	688.56		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
			1 3		41		very micaceous [Saprolite].
					42		CLAYEY SILT (ML), few sand, 60% silt, 30% clay, 10% sand, medium to coarse-grained sand, low plasticity, moderate toughness, moderate reddish brown 10R 4/6, no odor, wet, soft, laminated, very micaceous [Saprolite].
	100	SS	2 3 2 6		43 44		SANDY SILT (ML), 40% silt, 40% sand, 20% clay, coarse-grained quartz, low plasticity, moderate toughness, moderate reddish orange 10R 6/6, no odor, wet, medium stiff, very micaceous [Saprolite].
					45		SILT (ML), 60% silt, 20% sand, 20% clay, fine-grained quartz, low plasticity, moderate toughness, light brown 5YR 5/6, black and white, no odor, wet, loose, laminated, some mica [Saprolite].
					46		
					47		
	0	SS	1 6 2 11		48 49		-no recovery.
					50		
					51		
					52		
	100	SS	1 6 5 8		53 54		SANDY SILT (ML), 40% silt, 40% sand, 20% clay, coarse-grained quartz, low plasticity, moderate toughness, light brown, black and white, no odor, wet, medium dense, white (feldspar) lamination, very micaceous [Saprolite].
					55		
					56		
					57		
					58		**BORING TERMINATED AT 58 FEET**
					59		

SOIL BORING LOG

BORING NO. RMW-22

Client: WestPoint Home, Inc.	Drilling Start Date: 4-3-14	Drilling End Date: 4-3-14	Page 1 of 1
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Hollow Stem Auger		Project Number: 208464.0.0.1
Geologist/Technician: Zach Rayburn	Driller (name/company): Brett Burnett, AE Drilling Services, LLC	Drill Rig Type: CME 750	Borehole Diameter (in.): 8.0
Boring Coordinates: N: 1028948.73 E: 1440535.04	Total Depth (ft.): 19.00	Measuring Point Elevation (ft.): 677.31	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-22A**
					19		**BORING TERMINATED AT 19 FEET**

Greenville (ver. 9/1/97)

SOIL BORING LOG

BORING NO. RMW-22A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-3-14	4-4-14	1 4
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028952.20 E: 1440546.34	63.40	677.68		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		SILT (ML), few sand, trace gravel, medium plasticity, low toughness, red, no odor, dry, loose, black mottling.
	75	SS	4 2 3 3		2 3 4 5 6 7 8		
	100	SS	4 6 10 12		9 10 11 12		SILT (ML), little fine-grained sand, medium plasticity, low toughness, tan, no odor, dry, medium dense, red mottling, gray mottling.
	100	SS	4 5 7 10		13 14		SILT (ML), few sand, medium plasticity, low toughness, red grades to tan, no odor, dry, medium dense. CLAY (CL), medium plasticity, medium toughness, gray, no odor, dry, stiff, red mottling, staining.
	4	SS	2 2 1 2		15 16 17 18 19		SAND (SP), fine to coarse-grained, few silt, tan, no odor, wet.

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SOIL BORING LOG

BORING NO. RMW-22A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-3-14	4-4-14	2 4
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028952.20 E: 1440546.34	63.40	677.68		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SAND (SP), fine to coarse-grained, few silt, tan, no odor, wet.
					22		
					23		
	100	SS	3 2 1 1		24		SAND (SP), fine to coarse-grained, trace silt, tan, no odor, wet.
					25		SILTY SAND (SM), fine to coarse-grained, red, no odor, moist, slightly stratified, black mottling, white mottling, micaceous.
					26		
					27		
					28		
	100	SS	1 2 3 4		29		SAND (SP), fine to coarse-grained, few silt, brown, no odor, moist.
					30		SILTY SAND (SM), fine to coarse-grained, trace quartz grains, white, no odor, moist, black mottling with orange staining.
					31		
					32		
					33		
	100	SS	1 2 3 6		34		SAND (SP), fine to coarse-grained, few silt, brown, no odor, moist.
					35		SILTY SAND (SM), fine to coarse-grained, trace quartz grains, white, no odor, moist, slightly stratified, black mottling, orange staining, micaceous, no odor, moist.
					36		
					37		
					38		
	100	SS	2 4 4 8		39		SAND (SP), fine to coarse-grained, few silt, brown, no odor, moist.
							SILTY SAND (SM), fine to medium-grained, few quartz grains, white, orange, no odor, moist, alternating white and orange stratification, black mottling, micaceous.

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SOIL BORING LOG

BORING NO. RMW-22A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-3-14	4-4-14	3 4
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028952.20 E: 1440546.34	63.40	677.68		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		SILTY SAND (SM), fine to medium-grained, few quartz grains, white, orange, no odor, moist, alternating white and orange stratification, black mottling, micaceous.
					42		
					43		
	100	SS	7 11 10 15		44		SAND (SP), fine to medium-grained, few silt, brown, no odor, moist, trace mica.
							CLAY (CH), high plasticity, medium toughness, red, no odor, moist, very stiff, trace mica.
					45		SAND (SP), fine to coarse-grained, few silt, few quartz grains, white, no odor, moist, black mottling, orange staining, micaceous.
					46		
					47		
					48		
	100	SS	3 6 7 9		49		SAND (SP), fine to medium-grained, few silt, brown, no odor, wet.
					50		SAND (SP), fine to coarse-grained, few silt, trace quartz grains, orange, no odor, moist, black and white mottling.
					51		
					52		
					53		
	100	SS	6 11 18 22		54		SAND (SP), fine to medium-grained, few silt, brown, no odor, moist, trace mica.
					55		SILTY SAND (SM), fine to medium-grained, trace quartz grains, white, no odor, moist, black mottling, orange staining, trace mica.
					56		
					57		
					58		
					59		

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SOIL BORING LOG

BORING NO. RMW-22A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-3-14	4-4-14	4 4
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028952.20 E: 1440546.34	63.40	677.68		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					61		SILTY SAND (SM), fine to medium-grained, trace quartz grains, white, no odor, moist, black mottling, orange staining, trace micaceous.
					62		
					63		
					64		**BORING TERMINATED AT 63.4 FEET**
					65		
					66		
					67		
					68		
					69		
					70		
					71		
					72		
					73		
					74		
					75		
					76		
					77		
					78		
					79		

SOIL BORING LOG

BORING NO. RMW-23

Client: WestPoint Home, Inc.	Drilling Start Date: 4-30-14	Drilling End Date: 4-30-14	Page 1 of 1
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Hollow Stem Auger		Project Number: 208464.0.0.1
Geologist/Technician: Michelle Hays	Driller (name/company): Brett Burnett, AE Drilling Services, LLC	Drill Rig Type: CME 750	Borehole Diameter (in.): 8.0
Boring Coordinates: N: 1028901.86 E: 1440601.76	Total Depth (ft.): 20.00	Measuring Point Elevation (ft.): 675.47	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-23A**
							BORING TERMINATED AT 20 FEET

Greenville (ver. 9/1/97)

SOIL BORING LOG

BORING NO. RMW-23A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-29-14	4-29-14	1 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028899.18 E: 1440604.21	58.00	675.06		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		SANDY SILT (ML), 60% silt, 40% sand, low plasticity, low toughness, moderate reddish orange 10R 6/6, no odor, dry, medium dense, gravel pieces (probably fill).
	100	SS	9 6 7 8		2 3 4 5		
	100	SS	4 6 10 14		6 7 8		CLAYEY SILT (ML), 70% silt, 30% clay, moderate plasticity, moderate toughness, moderate reddish orange 10R 6/6 and yellowish orange 10YR 6/6, no odor, dry, very stiff.
	100	SS	3 3 5 3		9 10		SANDY SILT (ML), 50% silt, 30% sand, 20% clay, coarse-grained, low plasticity, low toughness, moderate reddish orange 10R 6/6, no odor, dry, loose, micaceous, large quartz seam at 10.5' [Saprolite].
	100	SS	2 1 1 2		11 12 13 14 15 16 17		-as above; wet, black nodules, few mica.
	100	SS	2 2 2 3		18 19		CLAY (CL), 60% clay, 20% silt, 20% sand, moderate plasticity, low toughness, white, orange and black, no odor, wet, medium stiff, visible quartz, lithics, feldspar, and speckled alteration, no mica.

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SOIL BORING LOG

BORING NO. RMW-23A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-29-14	4-29-14	2 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028899.18 E: 1440604.21	58.00	675.06		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		CLAY (CL), 60% clay, 20% silt, 20% sand, moderate plasticity, low toughness, white, orange and black, no odor, wet, medium stiff, visible quartz, lithics, feldspar, and speckled alteration, no mica.
					22		
					23		
	100	SS	2 2 2 3		24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
	100	SS	2 3 5 5		32		-as above; increase in white clay content.
					33		
					34		
					35		
					36		
	100	SS	2 5 5 6		37		CLAY (CL), 60% clay, 20% sand, 20% silt, low plasticity, low toughness, light brown 5YR 5/6, white and black, no odor, wet, stiff, laminated alteration throughout, some mica [Saprolite].
					38		
					39		

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SOIL BORING LOG

BORING NO. RMW-23A

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-29-14	4-29-14	3 3
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Michelle Hays	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028899.18 E: 1440604.21	58.00	675.06		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41		CLAY (CL), 60% clay, 20% sand, 20% silt, low plasticity, low toughness, light brown 5YR 5/6, white and black, no odor, wet, stiff, laminated alteration throughout, some mica [Saprolite].
	100	SS	2 2 4 5		42		
					43		
					44		
	100	SS	2 3 5 5		45		
					46		
					47		
					48		
	100	SS	2 6 9 9		49		CLAY (CL), 60% silt, 20% sand, 20% clay, fine-grained, low plasticity, low toughness, light brown 5YR 5/6, black, no odor, wet, stiff, laminated from 49' to 50', very micaceous [Saprolite].
	100	SS	5 6 10 11		50		
					51		
					52		
					53		
	100	SS	4 9 14 13		54		-as above; increased lamination with depth.
					55		
					56		
					57		
					58		**BORING TERMINATED AT 58 FEET**
					59		

SOIL BORING LOG

BORING NO. RMW-23B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-4-14	Drilling End Date: 6-4-14	Page 1 of 5
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028896.45 E: 1440610.40	Total Depth (ft.): 93.00	Measuring Point Elevation (ft.): 674.5	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-23A**

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-23B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-4-14	6-4-14	2 5
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028896.45 E: 1440610.40	Total Depth (ft.): 93.00	Measuring Point Elevation (ft.): 674.5		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39		**SEE BORING LOG FOR WELL RMW-23A**

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-23B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-4-14	6-4-14	3 5
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates: N: 1028896.45 E: 1440610.40	Total Depth (ft.): 93.00	Measuring Point Elevation (ft.): 674.5		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59		**SEE BORING LOGS FOR WELLS RMW-23A AND RMW-23C**

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-23B

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		6-4-14	6-4-14	4 5
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.):
Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028896.45 E: 1440610.40	93.00	674.5		
Datum Description:	Datum Elevation (ft.):	Checked by:		
NAVD 88		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79		**SEE BORING LOG FOR WELL RMW-23C**

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-23B

Client: WestPoint Home, Inc.	Drilling Start Date: 6-4-14	Drilling End Date: 6-4-14	Page 5 of 5
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028896.45 E: 1440610.40	Total Depth (ft.): 93.00	Measuring Point Elevation (ft.): 674.5	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					81		**SEE BORING LOG FOR WELL RMW-23C**
					82		
					83		
					84		
					85		
					86		
					87		
					88		
					89		
					90		
					91		
					92		
					93		**BORING TERMINATED AT 93 FEET**
					94		
					95		
					96		
					97		
					98		
					99		

SOIL BORING LOG

BORING NO. RMW-23C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-20-13	Drilling End Date: 5-27-14	Page 1 of 5
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028893.71 E: 1440616.46	Total Depth (ft.): 98.00	Measuring Point Elevation (ft.): 674.45	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–19		**SEE BORING LOG FOR WELL RMW-23A**

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-23C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-20-13	Drilling End Date: 5-27-14	Page 2 of 5
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028893.71 E: 1440616.46	Total Depth (ft.): 98.00	Measuring Point Elevation (ft.): 674.45	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		**SEE BORING LOG FOR WELL RMW-23A**
					22		
					23		
					24		
					25		
					26		
					27		
					28		
					29		
					30		
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-23C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-20-13	Drilling End Date: 5-27-14	Page 3 of 5
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays; Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm		Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028893.71 E: 1440616.46; Total Depth (ft.): 98.00	Measuring Point Elevation (ft.): 674.45		
Datum Description: NAVD 88; Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					41–59		**SEE BORING LOG FOR WELL RMW-23A**
	100	CUT			55–59		WELL-SORTED SAND (SP), 90% sand composed of 70% tan and translucent quartz, 10% bronze and gold mica, 10% white feldspar, 10% tan silt, micaceous.

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-23C

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		5-20-13	5-27-14	4 5
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Mud Rotary		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Murphy Doty/Michelle Hays	Tommy Burnett AE Drilling Services, LLC	Schramm		10.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028893.71 E: 1440616.46	98.00	674.45		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					61		WELL-SORTED SAND (SP), 90% sand composed of 70% tan and translucent quartz, 10% bronze and gold mica, 10% white feldspar, 10% tan silt, micaceous.
					62		
					63		
					64		
					65		
	100	CUT			66		SAND (SP), 80% sand composed of 70% translucent and tan quartz, 15% bronze mica, 10% black hornblende, and 5% white feldspar, 10% gravel, 10% silt .
					67		
					68		
					69		
					70		
					71		
					72		
					73		
					74		
					75		
					76		
					77		
	100	CUT			78		TRANSITION ZONE, SILTY SAND (SM), 90% sand composed of 40% quartz, 40% feldspar, 15% mica, and 5% hornblende, 10% silt, 2" rock layers at 77'.
					79		

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-23C

Client: WestPoint Home, Inc.	Drilling Start Date: 5-20-13	Drilling End Date: 5-27-14	Page 5 of 5
Site: Former WPH Site, Clemson, South Carolina	Drilling Method: Mud Rotary		Project Number: 208464.0.0.1
Geologist/Technician: Murphy Doty/Michelle Hays	Driller (name/company): Tommy Burnett, AE Drilling Services, LLC	Drill Rig Type: Schramm	Borehole Diameter (in.): 10.0
Boring Coordinates: N: 1028893.71 E: 1440616.46	Total Depth (ft.): 98.00	Measuring Point Elevation (ft.): 674.45	
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					81		SAND (SP), 90% sand composied of 40% quartz, 40% feldspar, 15% mica, and 5% hornblende, 10% silt
	100	CUT			82		SAND (SP), 90% sand composed of 40% quartz, 40% feldspar, 15% mica, and 5% hornblende, 10% silt.
					83		
					84		
					85		
	100	CUT			86		-as above.
					87		
					88		
					89		
					90		
					91		
	100	CUT			92		BEDROCK, 70% translucent and tan quartz and white feldspar, 30% mica and lithics.
					93		
					94		
					95		
					96		
					97		
					98		**BORING TERMINATED AT 98 FEET**
					99		

SOIL BORING LOG

BORING NO. RMW-24

Client:	Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.	4-2-14	4-2-14	1 2
Site:	**Drilling Method:**		**Project Number:**
Former WPH Site, Clemson, South Carolina	Hollow Stem Auger		208464.0.0.1
Geologist/Technician: / **Driller (name/company):**	**Drill Rig Type:**		**Borehole Diameter (in.)**
Zach Rayburn / Brett Burnett, AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates: / **Total Depth (ft.):**	**Measuring Point Elevation (ft.):**		
N: 1028796.83 E: 1439999.37 / 30.00	683.04		
Datum Description: / **Datum Elevation (ft.):**	**Checked by:**		
NAVD 88	LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–8		SILT (ML), little clay, low plasticity, low toughness, red, no odor, dry, medium dense, micaceous.
	38	SS	3 5 5 5				
	100	SS	3 5 6 9		9		SILT (ML), low plasticity, low toughness, red, tan, no odor, dry, stiff, tan mottling, micaceous.
					10–12		CLAY (CL), medium plasticity, low toughness, black, no odor, dry, soft, tan and olive mottling.
	100	SS	2 3 4 5		13–18		SILT (ML), little fine to medium-grained sand, low plasticity, low toughness, red, no odor, dry, loose, tan and olive mottling.
	100	SS	1 2 2 3		18		SILT (ML), little fine to medium-grained sand, low plasticity, low toughness, yellow, no odor, dry, loose, red mottling, very micaceous.
					19		SANDY SILT (ML), fine to medium-grained sand, mostly silt, low plasticity, low toughness, red, no odor, dry, loose, olive mottling, very micaceous.

Continued Next Page

SOIL BORING LOG

BORING NO. RMW-24

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-2-14	4-2-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1028796.83 E: 1439999.37	30.00	683.04		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SANDY SILT (ML), fine to medium-grained sand, mostly silt, low plasticity, low toughness, red, no odor, dry, loose, olive mottling, very micaceous.
					22		
					23		
	100	SS	0 1 2 3		24		SILTY SAND (SM), fine to medium-grained, red, no odor, wet, stratified from 24.7-25 ft, black mottling, very micaceous.
					25		
					26		
					27		
					28		
	100	SS	2 3 3 5		29		SAND (SP), fine to medium-grained, few silt, red, no odor, wet, stratified, black mottling, very micaceous.
					30		**BORING TERMINATED AT 30 FEET**
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

SOIL BORING LOG

BORING NO. RMW-25

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-3-14	4-3-14	1 1
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1029263.73 E: 1439738.09	20.00	683.66		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by:		
		LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1		CLAYEY SILT (ML), low plasticity, low toughness, red, no odor, dry, medium stiff.
					2		
					3		
	100	SS	3 3 3 5		4		SILT (ML), little fine-grained sand, nonplastic, low toughness, red, no odor, dry, loose, micaceous.
					5		
					6		
					7		
					8		
	100	SS	2 3 4 4		9		-as above; yellow mottling.
					10		
					11		
					12		
					13		
	100	SS	1 2 2 2		14		SANDY SILT (ML), fine to medium-grained, nonplastic, low toughness, tan, no odor, wet, loose, black mottling.
					15		
					16		
					17		
					18		
	100	SS	1 1 2 3		19		SILTY SAND (SM), fine to coarse-grained, tan, no odor, wet, black mottling, white mottling, pink potassium feldspar mottling.
							BORING TERMINATED AT 20 FEET

SOIL BORING LOG

BORING NO. RMW-26

Client:	Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.	4-14-14	4-14-14	1 2
Site:	**Drilling Method:**		**Project Number:**
Former WPH Site, Clemson, South Carolina	Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	**Driller (name/company):**	**Drill Rig Type:**	**Borehole Diameter (in.)**
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750	8.0
Boring Coordinates:	**Total Depth (ft.):**	**Measuring Point Elevation (ft.):**	
N: 1029024.43 E: 1440437.37	30.00	682.52	
Datum Description:	**Datum Elevation (ft.):**	**Checked by:**	
NAVD 88		LMC	

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					1–8		SANDY SILT (ML), fine to medium-grained, nonplastic, low toughness, red, no odor, dry, loose, tan mottling.
	67	SS	3 2 4 6				
	75	SS	3 3 7 6		8–9		-as above; with black mottling. CLAY (CL), low plasticity, medium toughness, red, no odor, stiff, white mottling.
					9–13		SILTY SAND (SM), dark brown, no odor, dry.
	100	SS	2 5 9 12		13–18		SILT (ML), little fine-grained sand, nonplastic, low toughness, red, no odor, dry, medium dense, tan mottling.
	67	SS	2 3 4 4		18–19		SILT (ML), little fine-grained sand, nonplastic, low toughness, red, no odor, dry, loose, tan mottling, micaceous.

Continued Next Page

SOIL BORING LOG

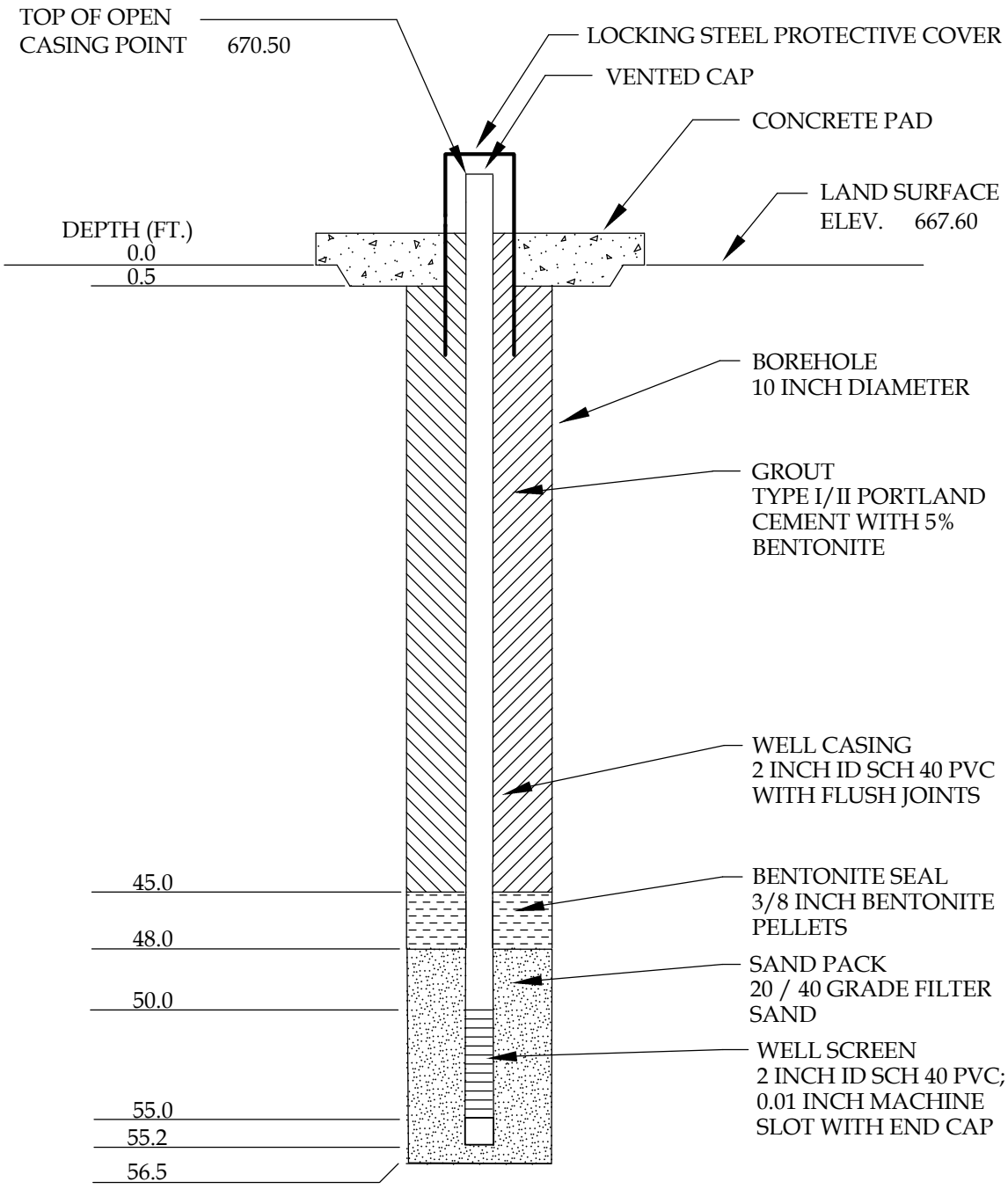
BORING NO. RMW-26

Client:		Drilling Start Date:	Drilling End Date:	Page of
WestPoint Home, Inc.		4-14-14	4-14-14	2 2
Site:		Drilling Method:		Project Number:
Former WPH Site, Clemson, South Carolina		Hollow Stem Auger		208464.0.0.1
Geologist/Technician:	Driller (name/company):	Drill Rig Type:		Borehole Diameter (in.)
Zach Rayburn	Brett Burnett AE Drilling Services, LLC	CME 750		8.0
Boring Coordinates:	Total Depth (ft.):	Measuring Point Elevation (ft.):		
N: 1029024.43 E: 1440437.37	30.00	682.52		
Datum Description: NAVD 88	Datum Elevation (ft.):	Checked by: LMC		

Sample Interval	% Recovery	Sample Type	Blow Counts	PID (ppm)	Depth (feet)	Stratigraphy	LITHOLOGIC DESCRIPTION
					21		SILT (ML), little fine-grained sand, nonplastic, low toughness, red, no odor, dry, loose, tan mottling, micaceous.
					22		
					23		
	100	SS	1 1 2 2		24		-as above; wet.
					25		SILTY SAND (SM), fine-grained, gray, no odor, moist, black mottling, micaceous.
					26		
					27		
					28		SILTY SAND (SM), fine to coarse-grained, red, no odor, wet, micaceous.
	100	SS	1 2 2 3		29		SILTY SAND (SM), fine-grained, gray, no odor, wet, tan seams of silt, black mottling, micaceous.
					30		**BORING TERMINATED AT 30 FEET**
					31		
					32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		

Appendix B
New Well Construction Diagrams

/WEL-DIA/MW00000C/MW0000BC

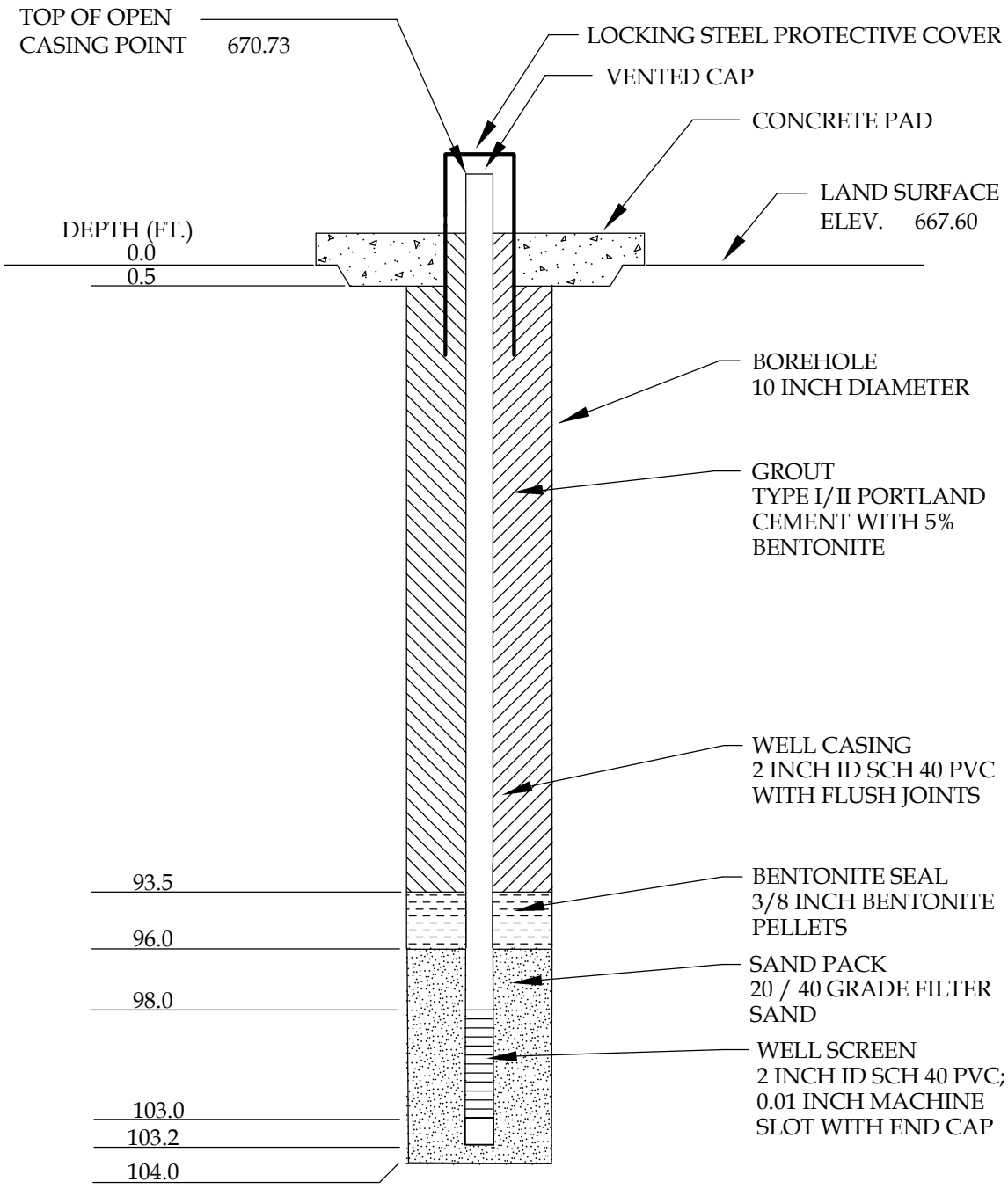


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	DG-06A
DATE INSTALLED	6/13/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

/WEL-DIA/MW00000C/MW0000BC

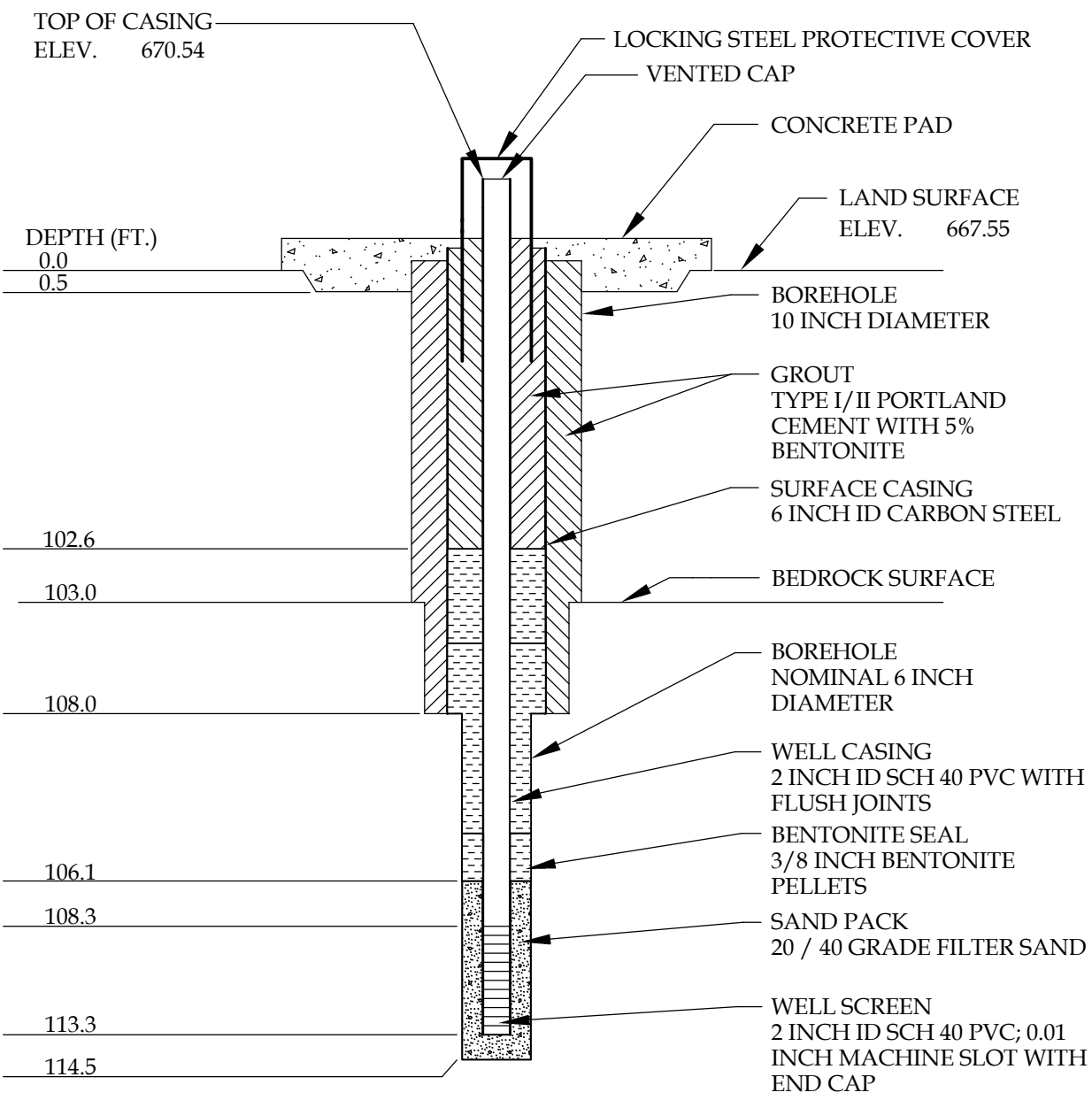


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	DG-06B
DATE INSTALLED	6/12/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

MWSINGLECASING

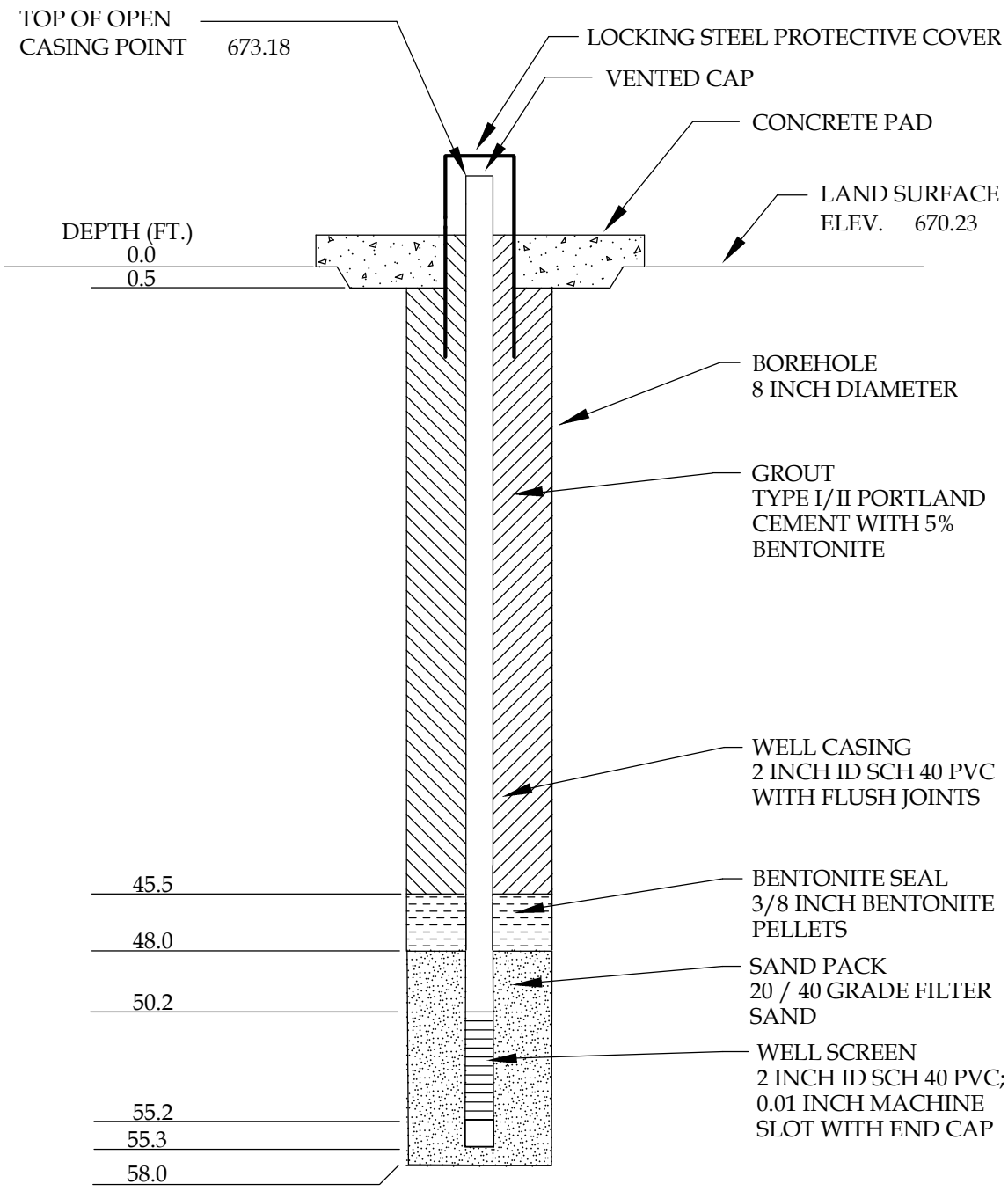


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	DG-06C
DATE INSTALLED	6/11/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty/Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

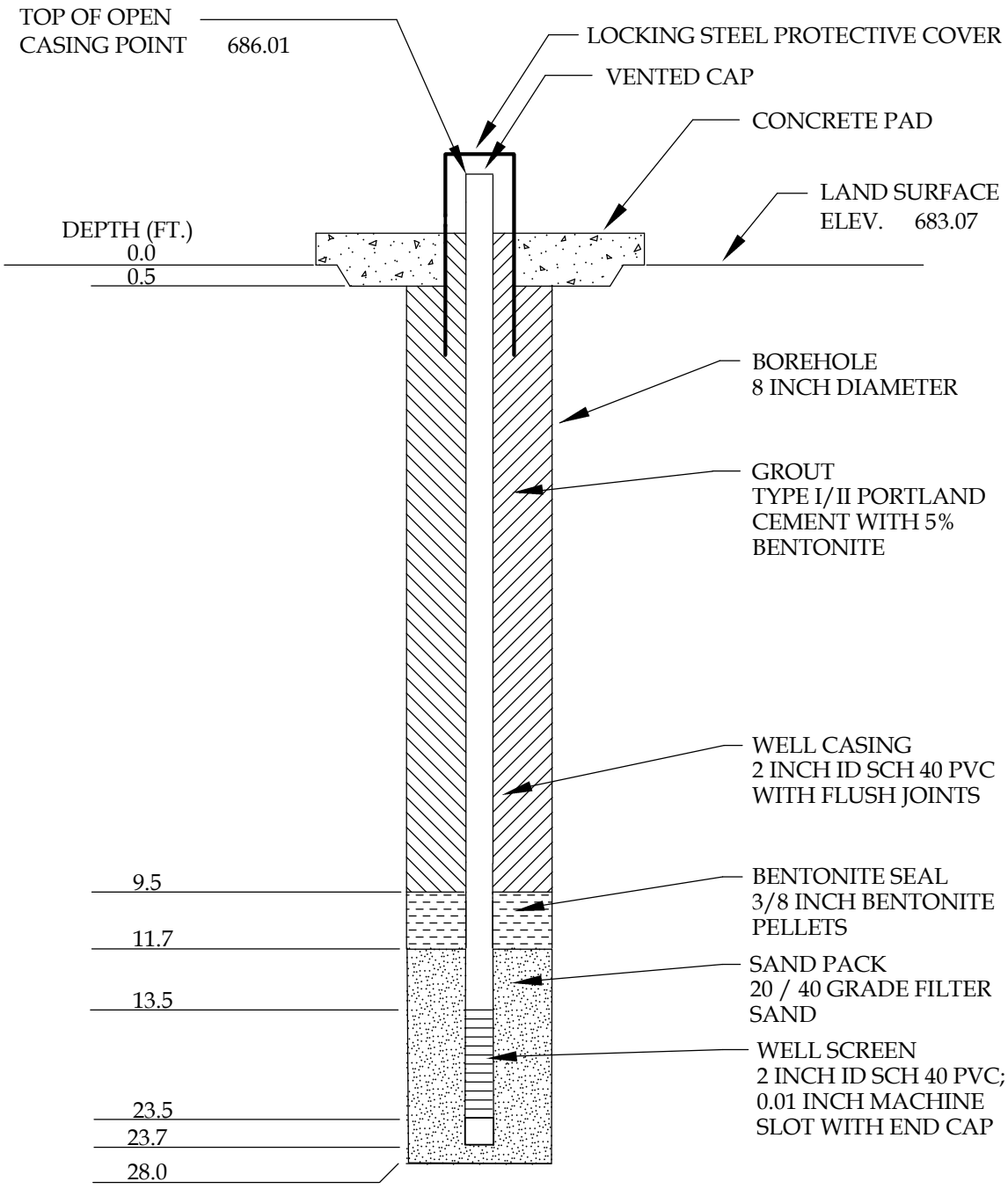


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	MG-05A
DATE INSTALLED	5/1/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

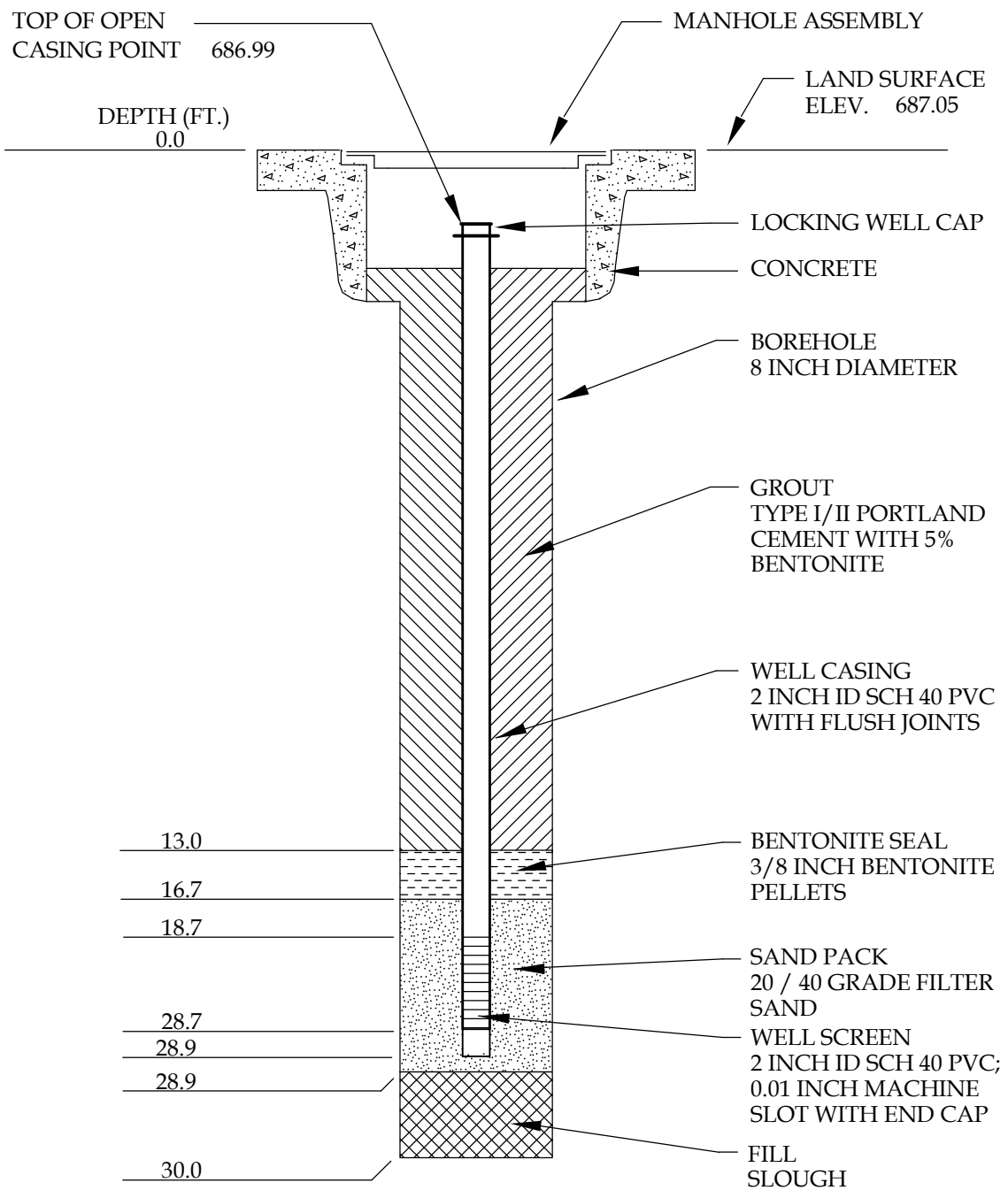


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-01
DATE INSTALLED	4/18/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00M00C/MW00MF0C

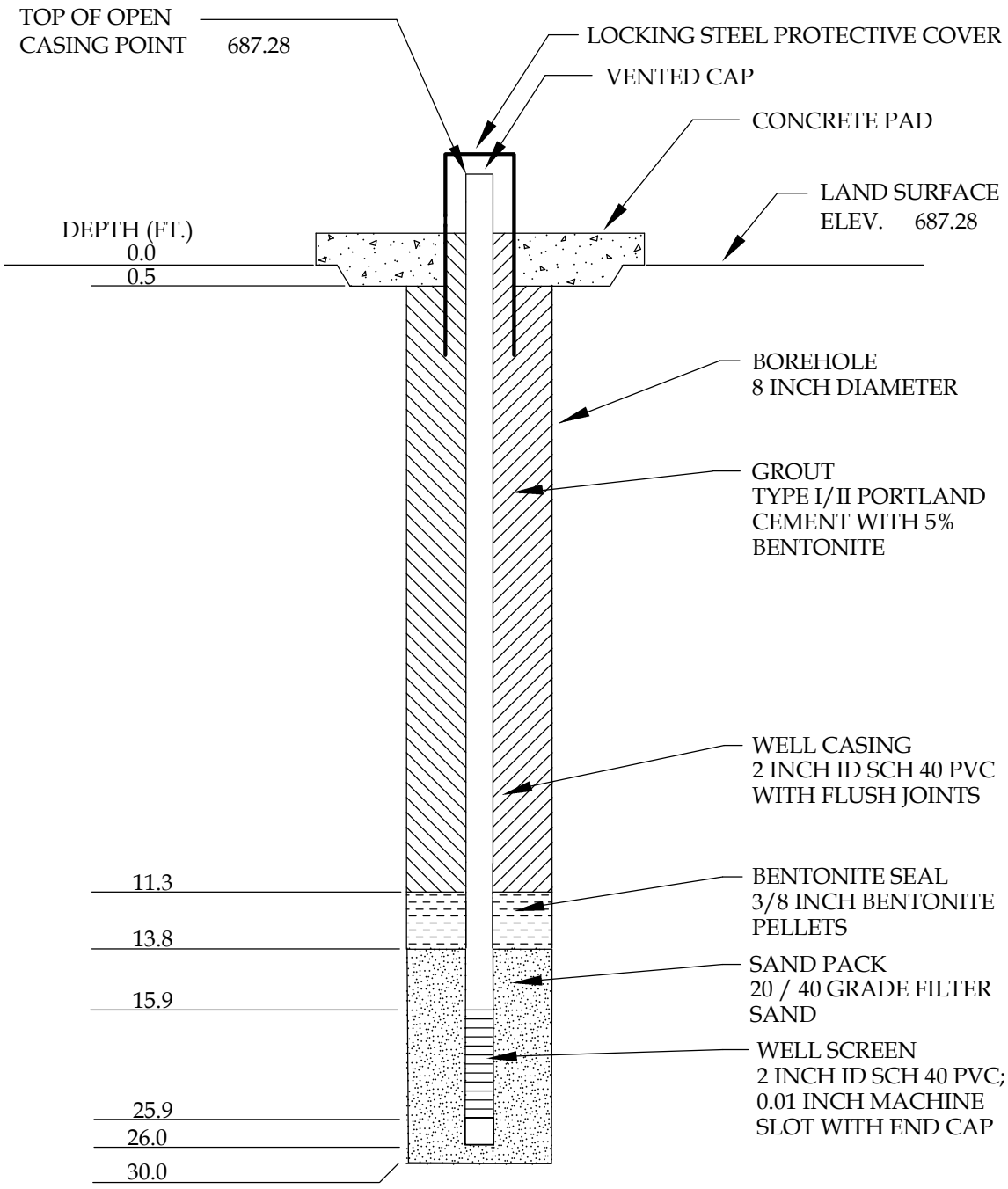


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-02
DATE INSTALLED	4/2/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zack Rayburn

/WEL-DIA/MW00000C/MW0000BC

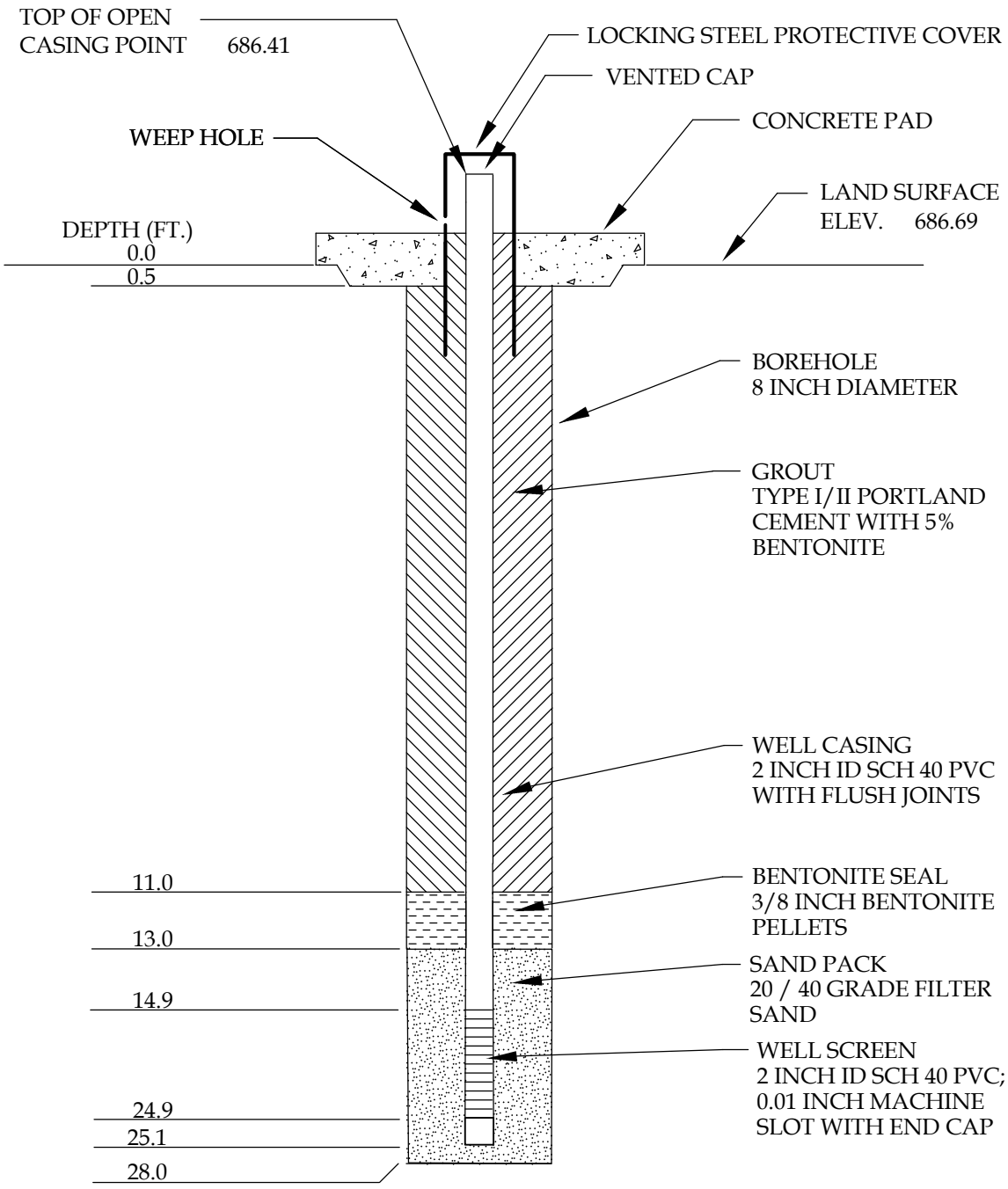


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-03
DATE INSTALLED	4/1/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

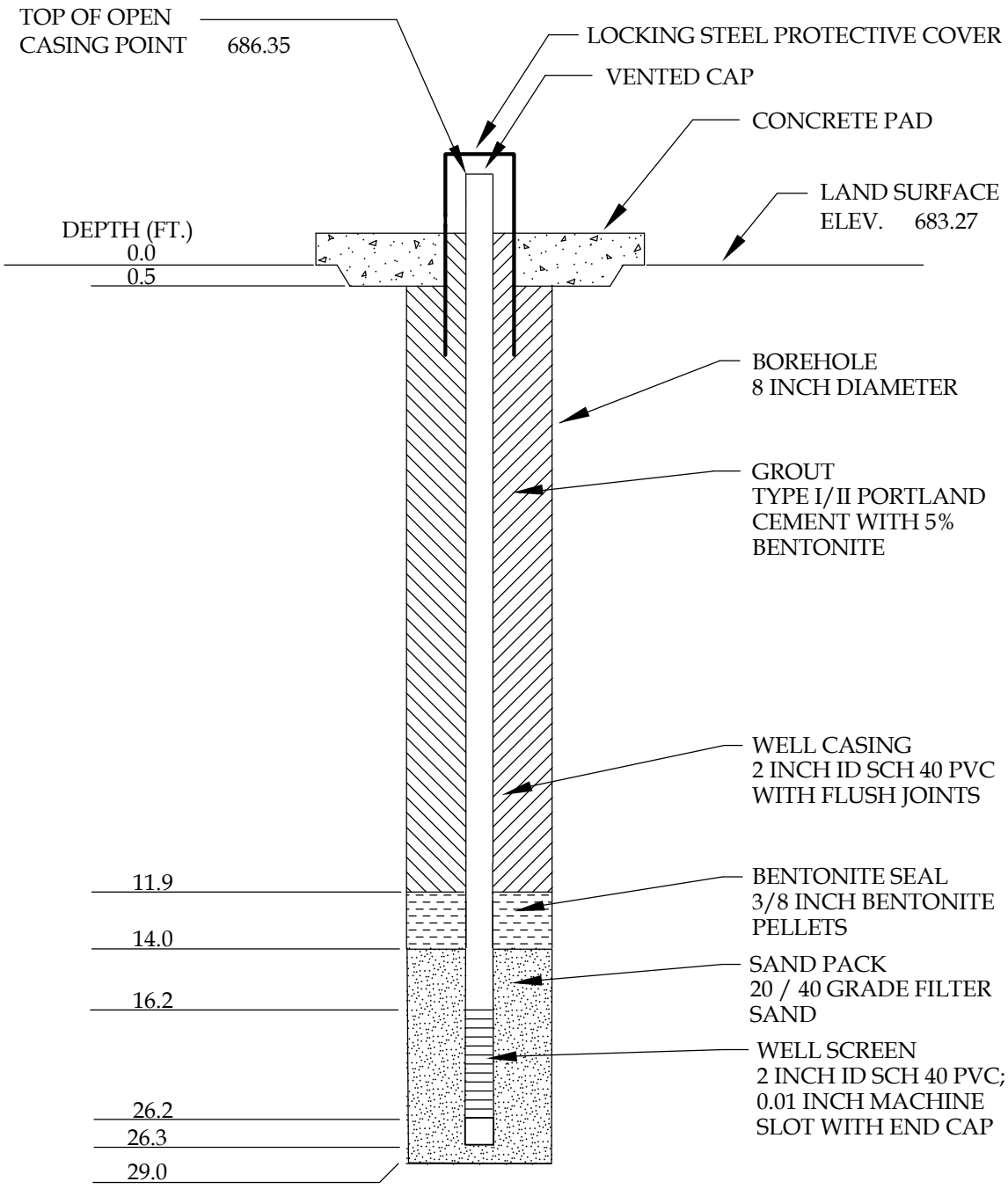


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-04
DATE INSTALLED	4/1/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

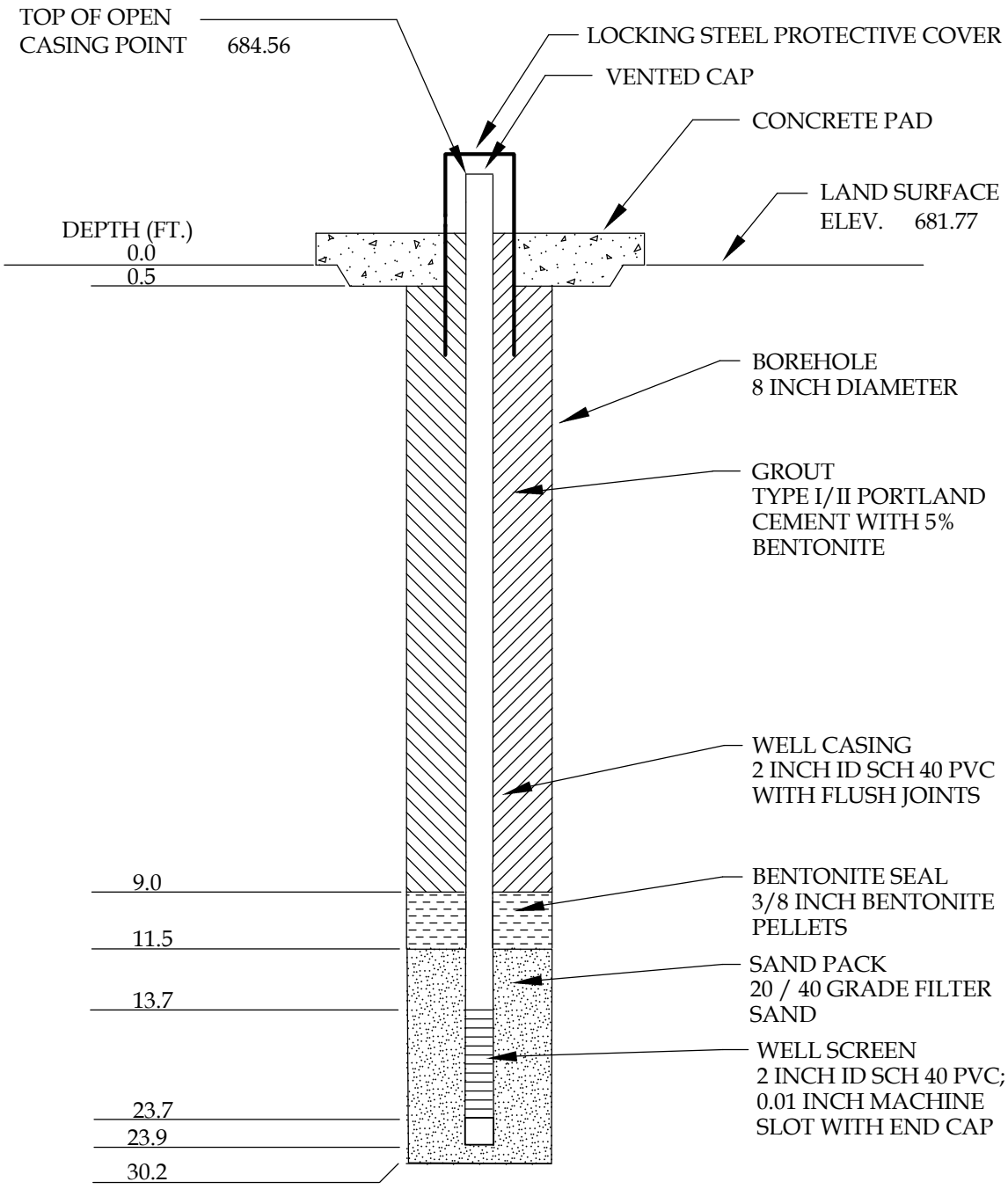


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-05
DATE INSTALLED	4/10/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

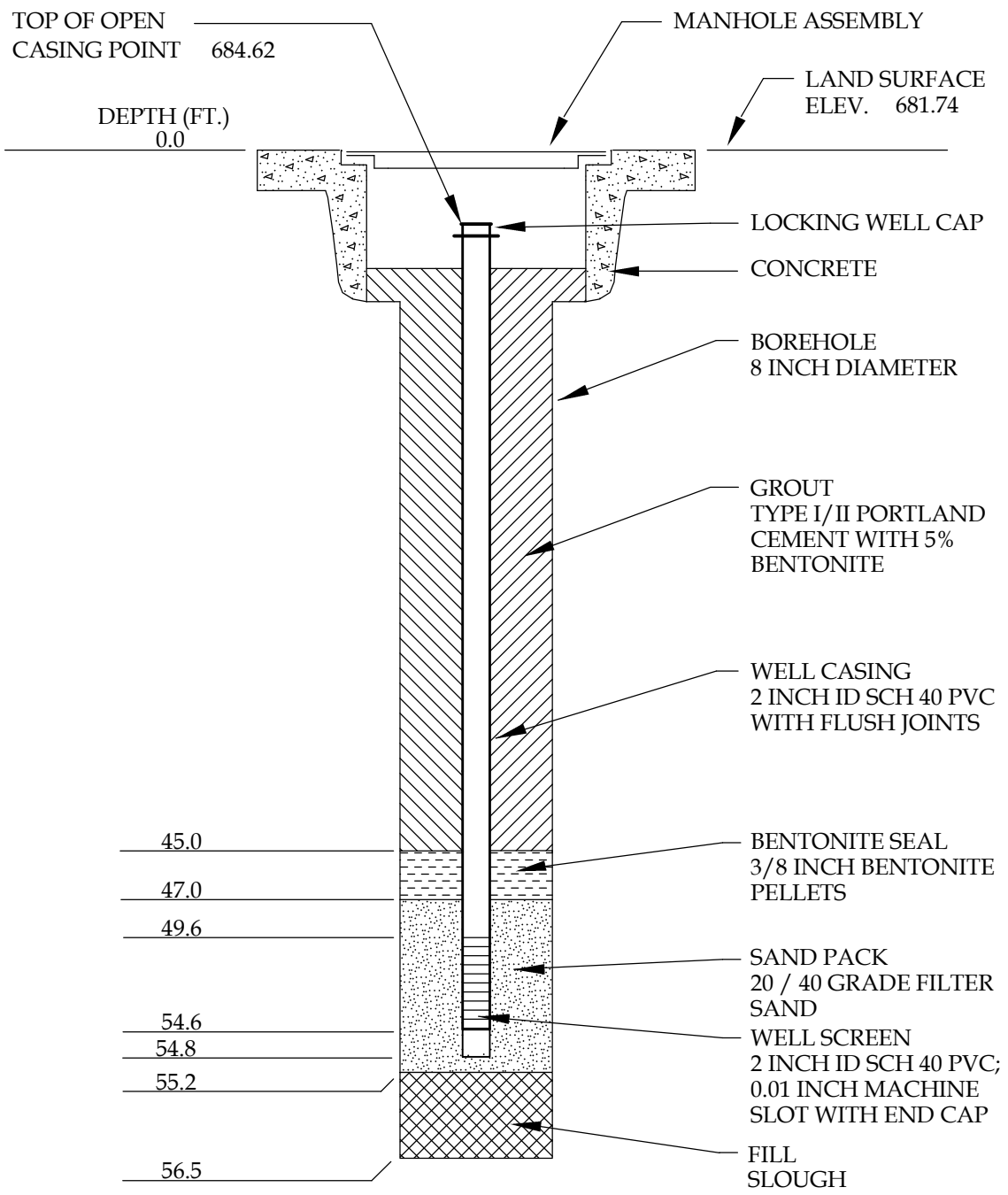


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-06
DATE INSTALLED	4/9/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00M00C/MW00MF0C

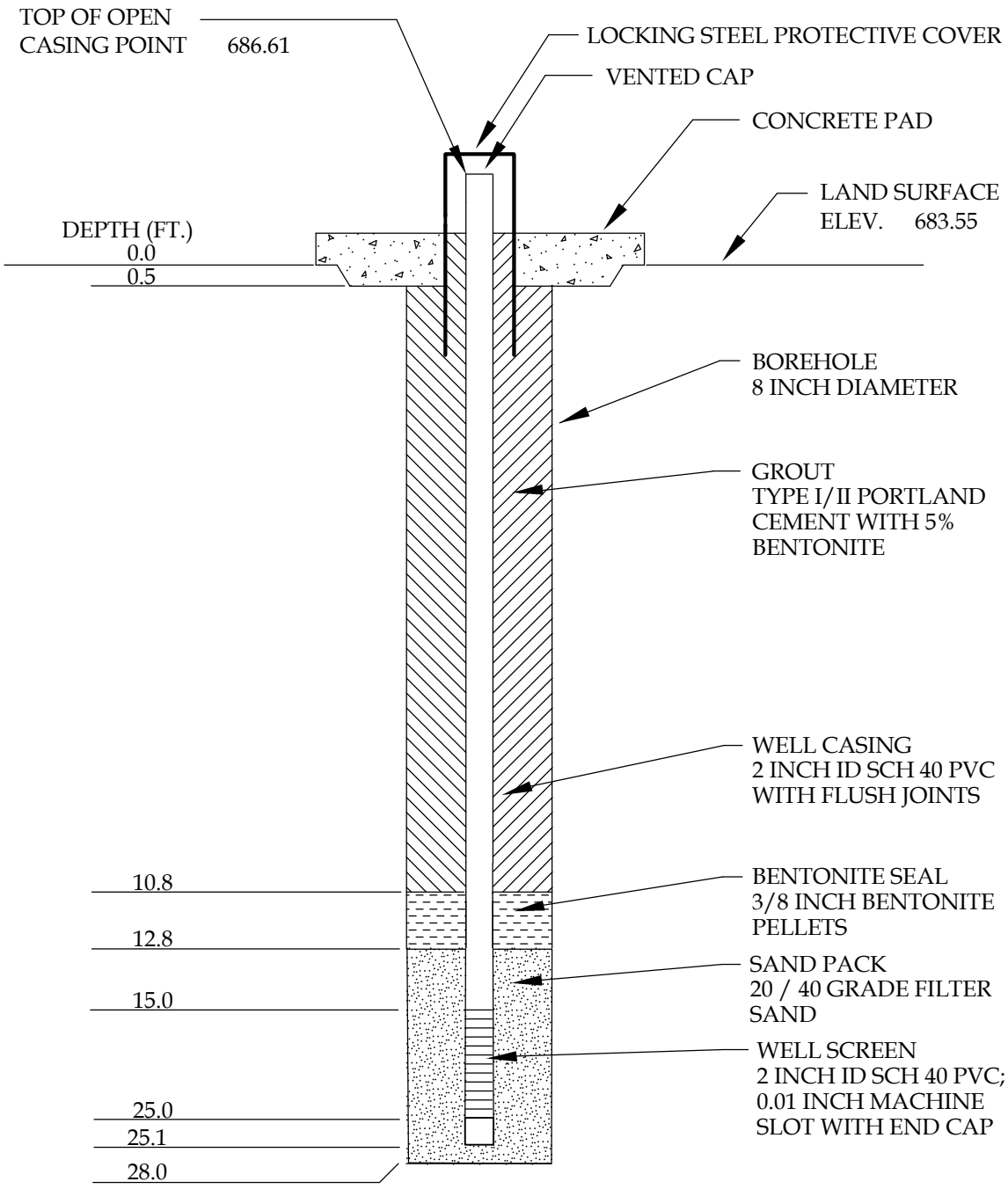


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-06A
DATE INSTALLED	4/9/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

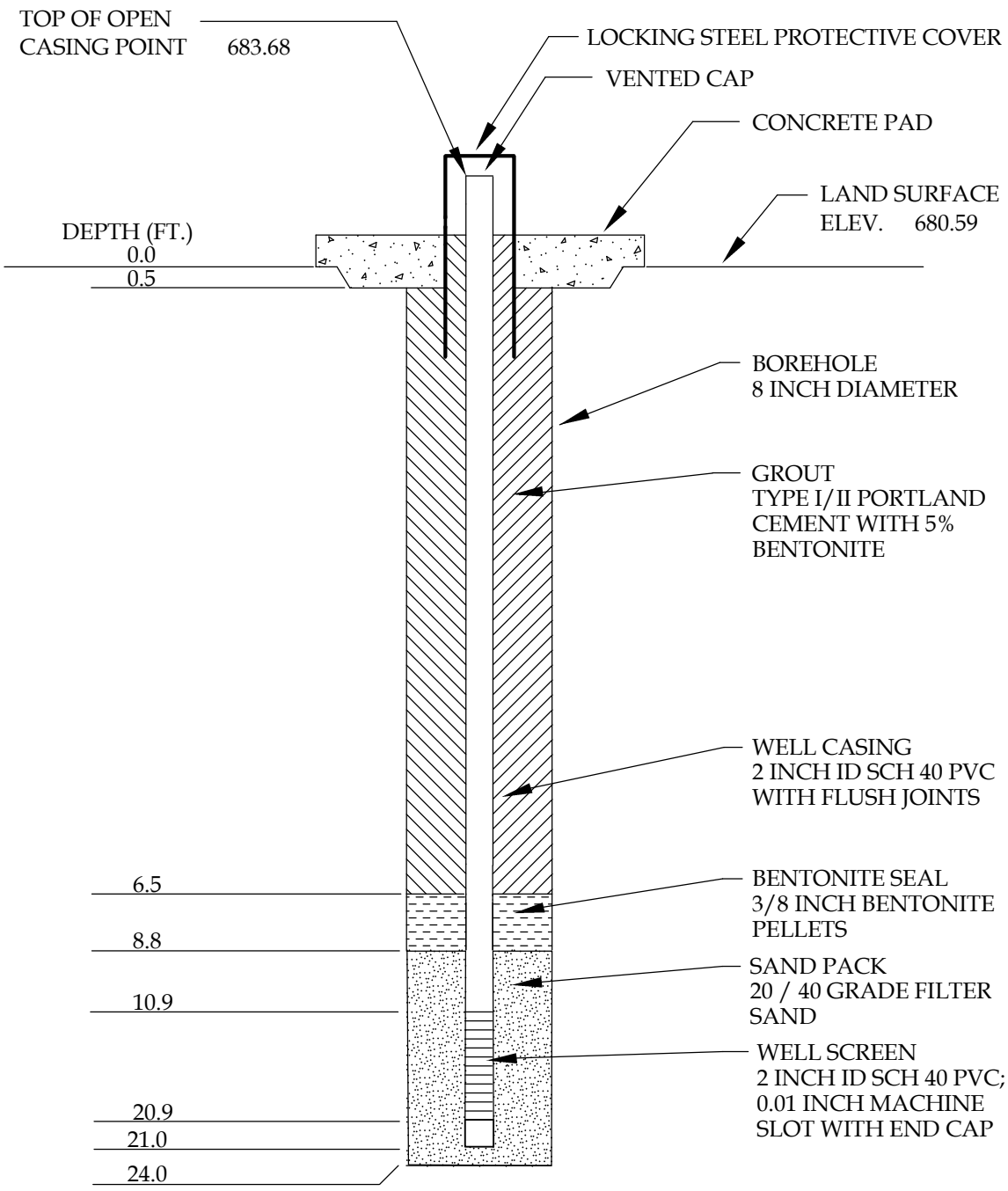


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-07
DATE INSTALLED	4/10/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

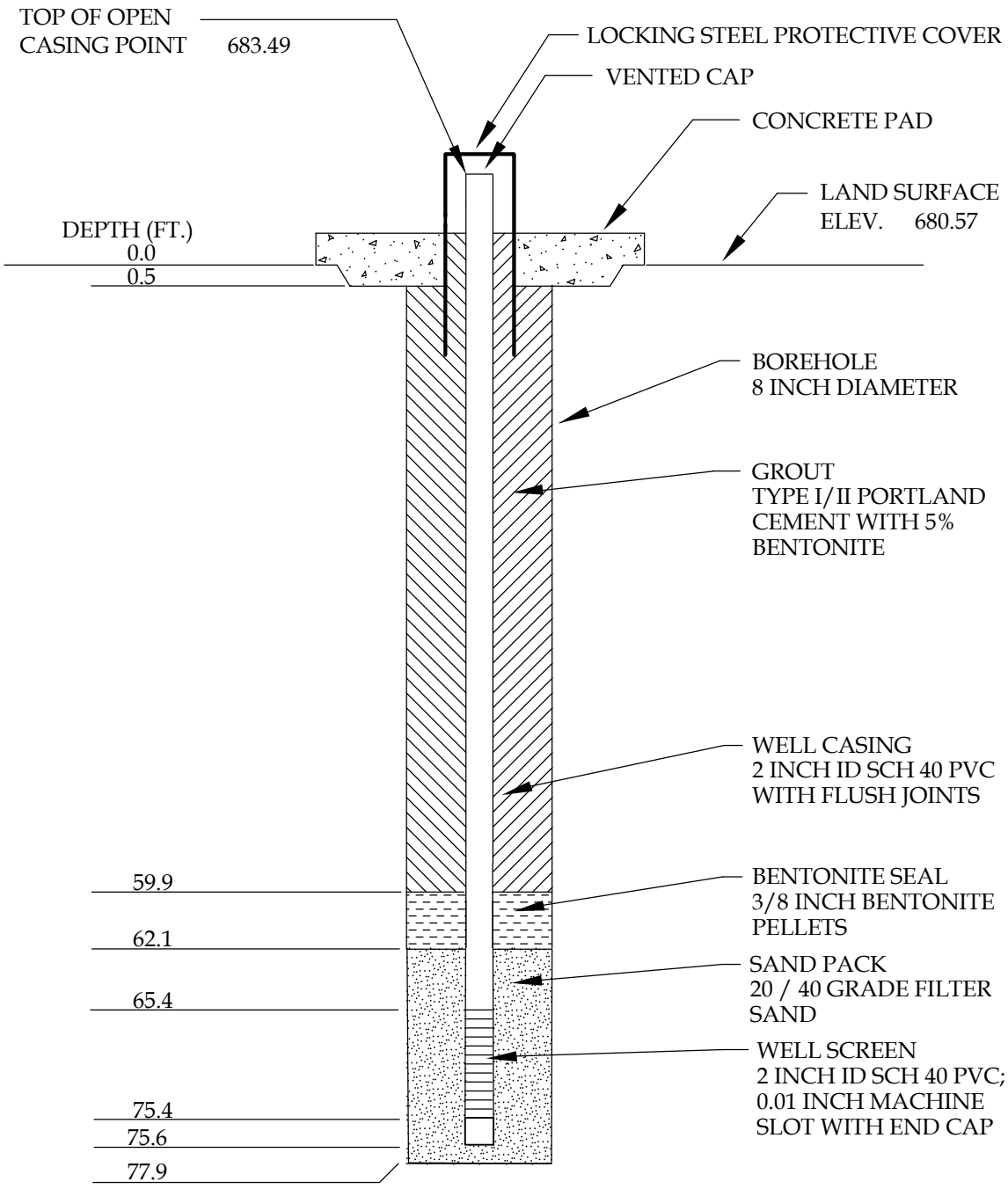


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-08
DATE INSTALLED	4/16/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

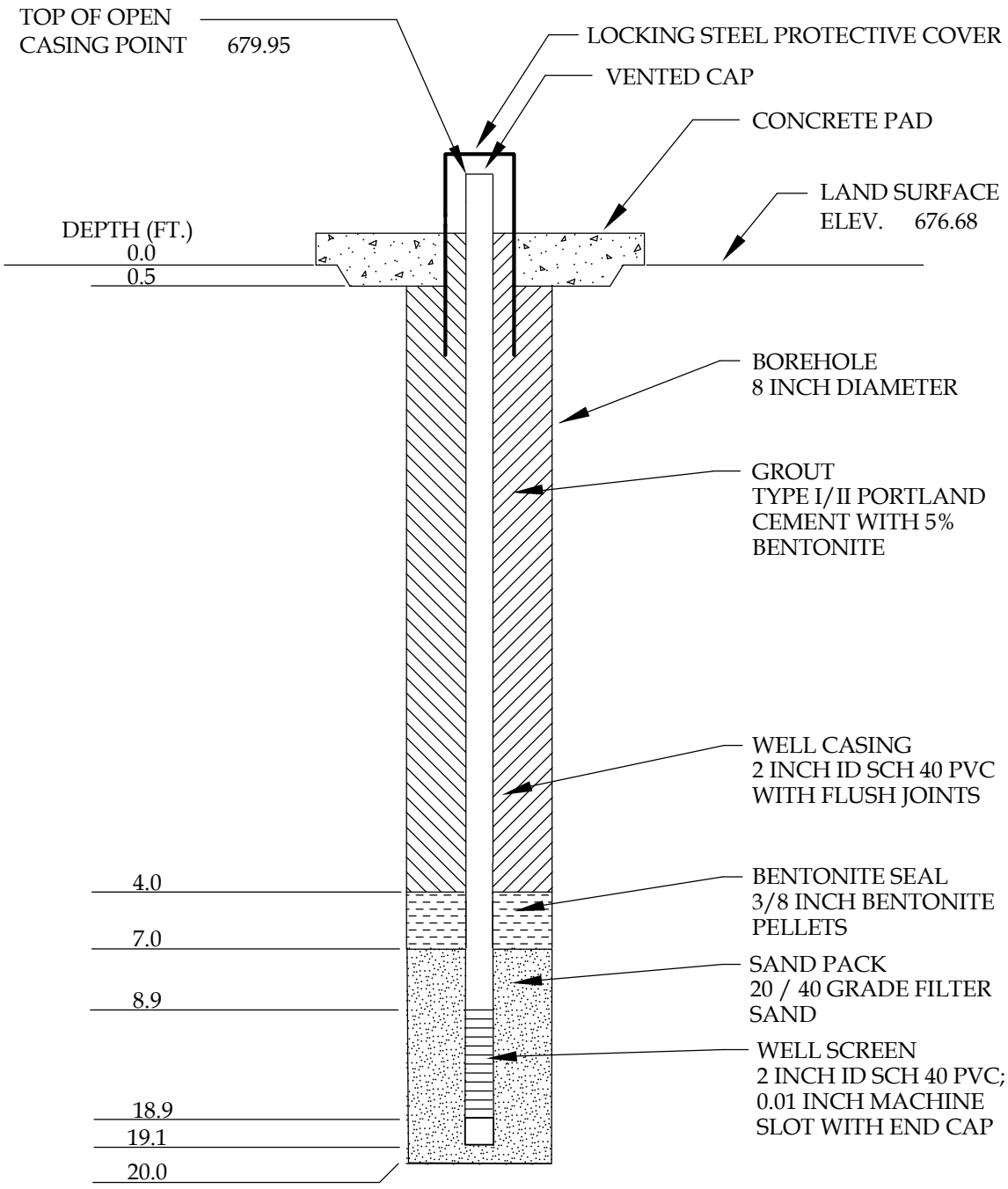


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-08A
DATE INSTALLED	4/15/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

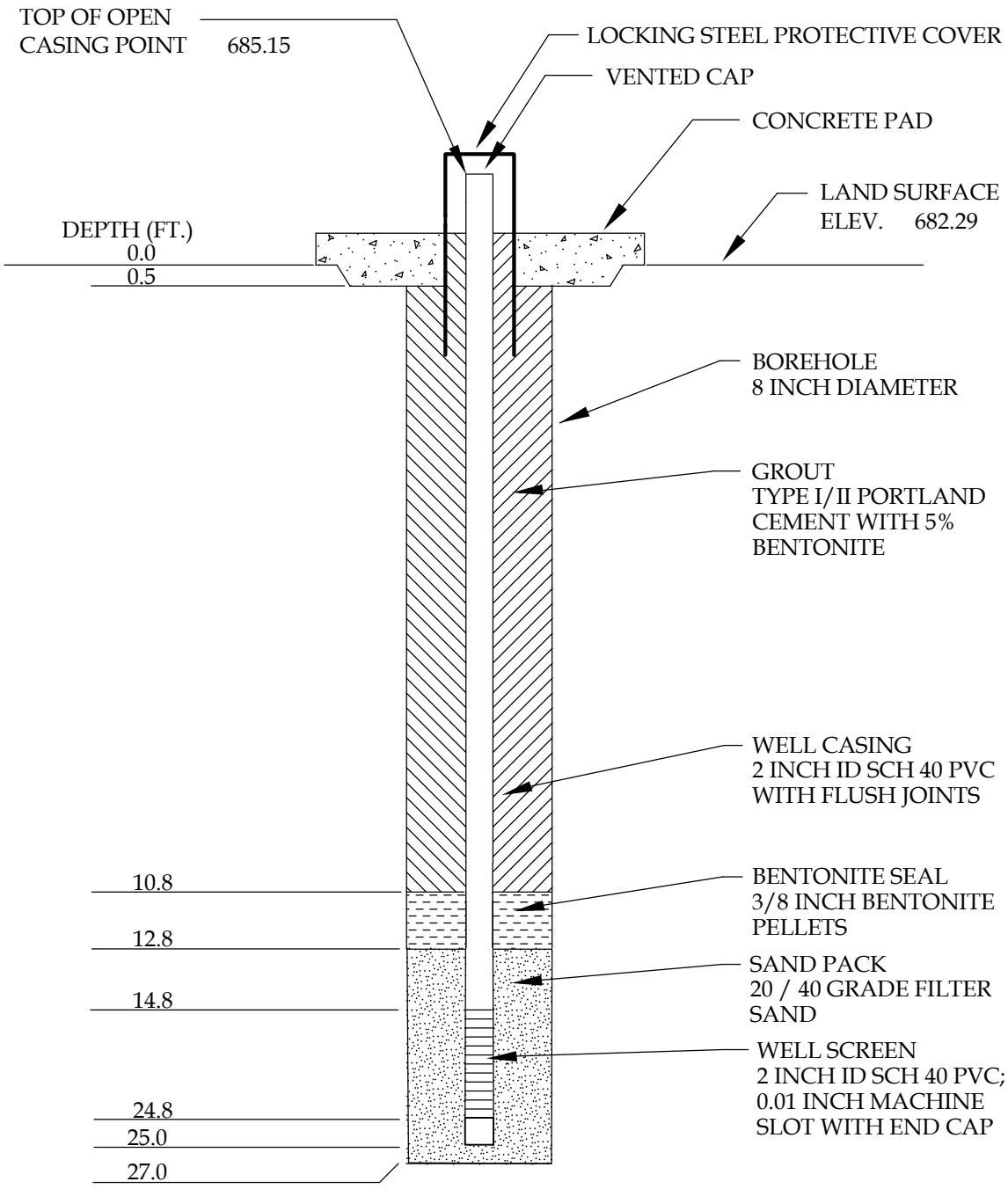


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-09
DATE INSTALLED	4/4/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

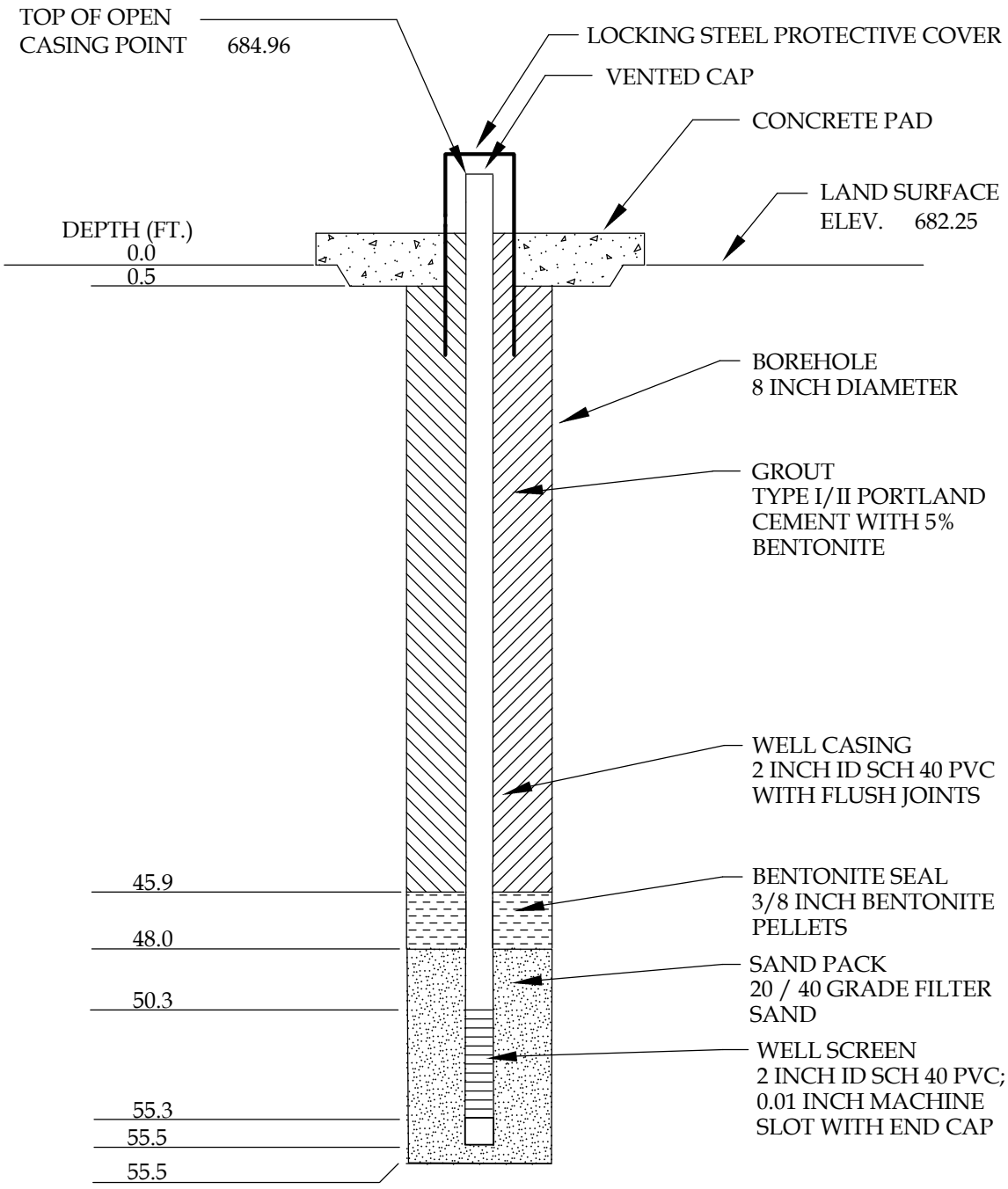


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-10
DATE INSTALLED	4/17/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

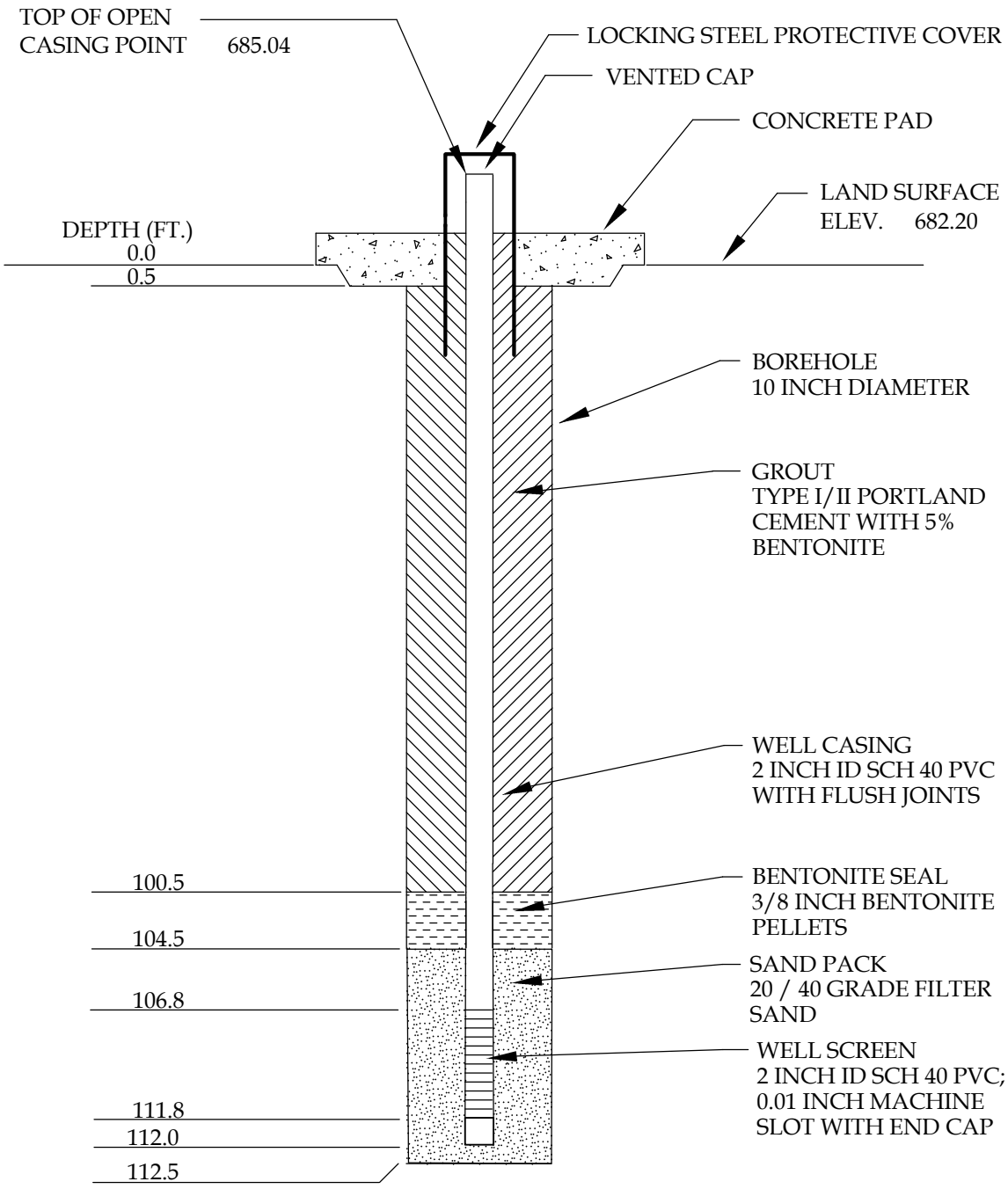


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-10A
DATE INSTALLED	4/16/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

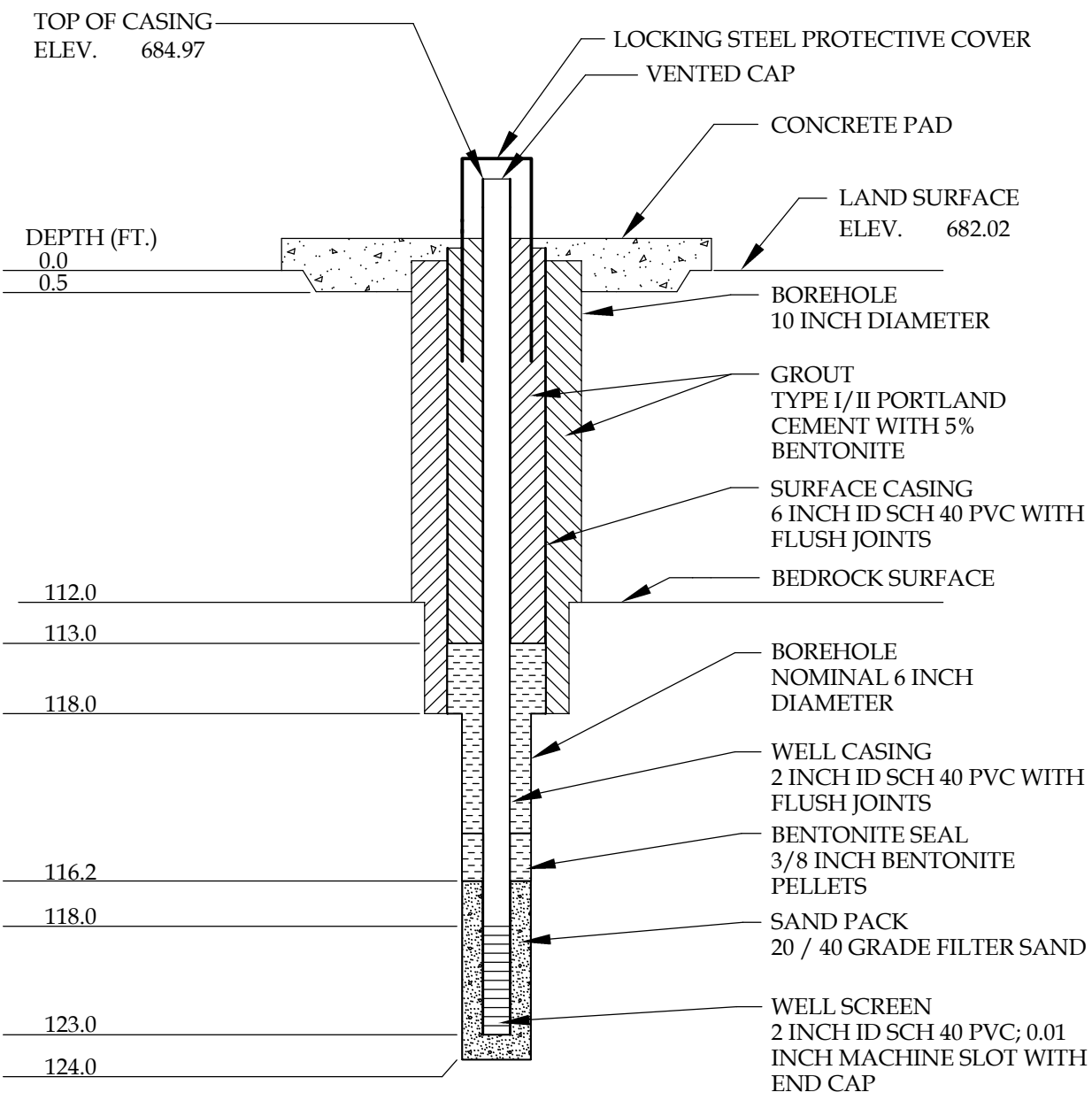


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-10B
DATE INSTALLED	6/3/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

MWSINGLECASING



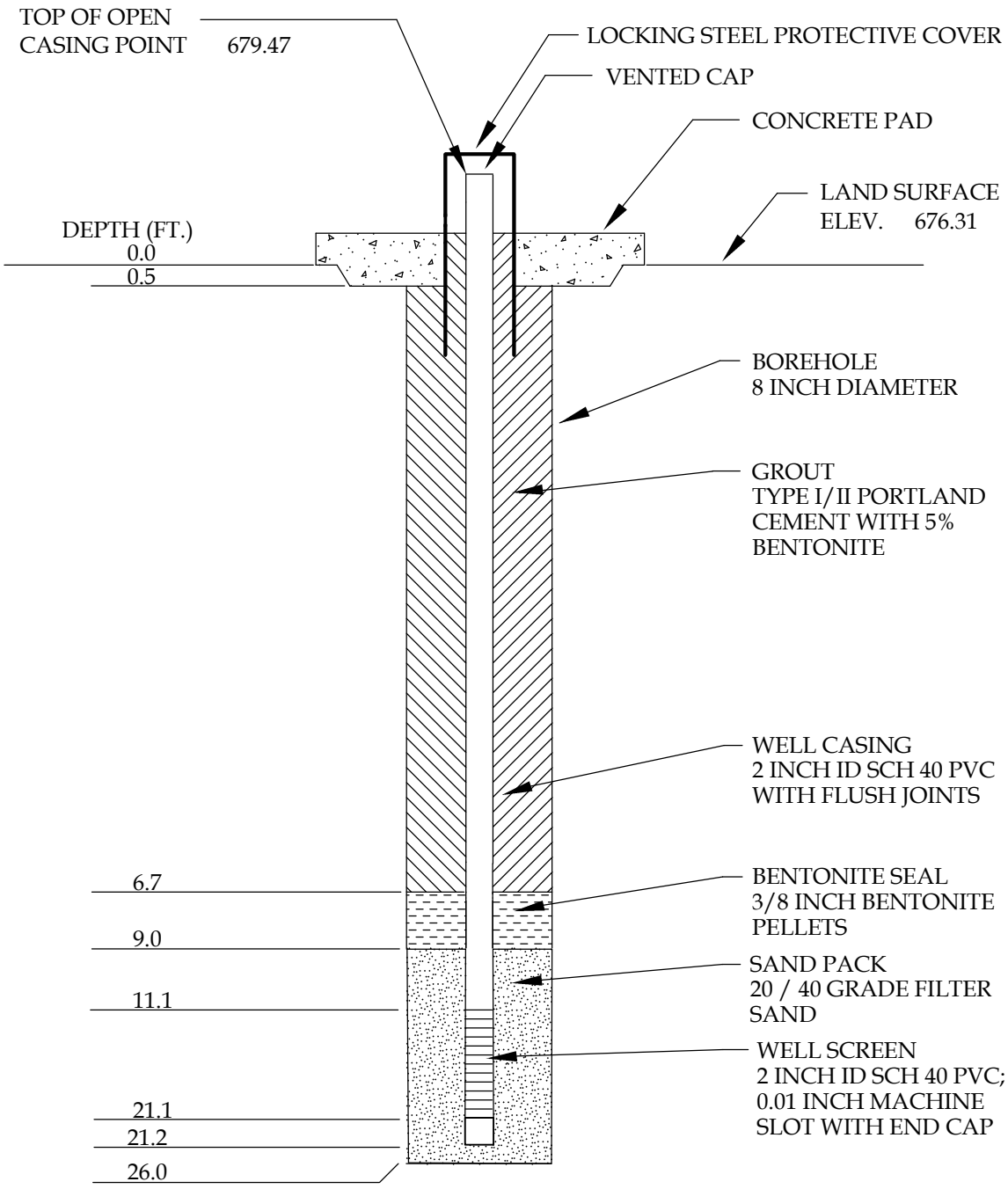
WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-10C
DATE INSTALLED	5/27/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty/Michelle Hays

TRC

/WEL-DIA/MW00000C/MW0000BC

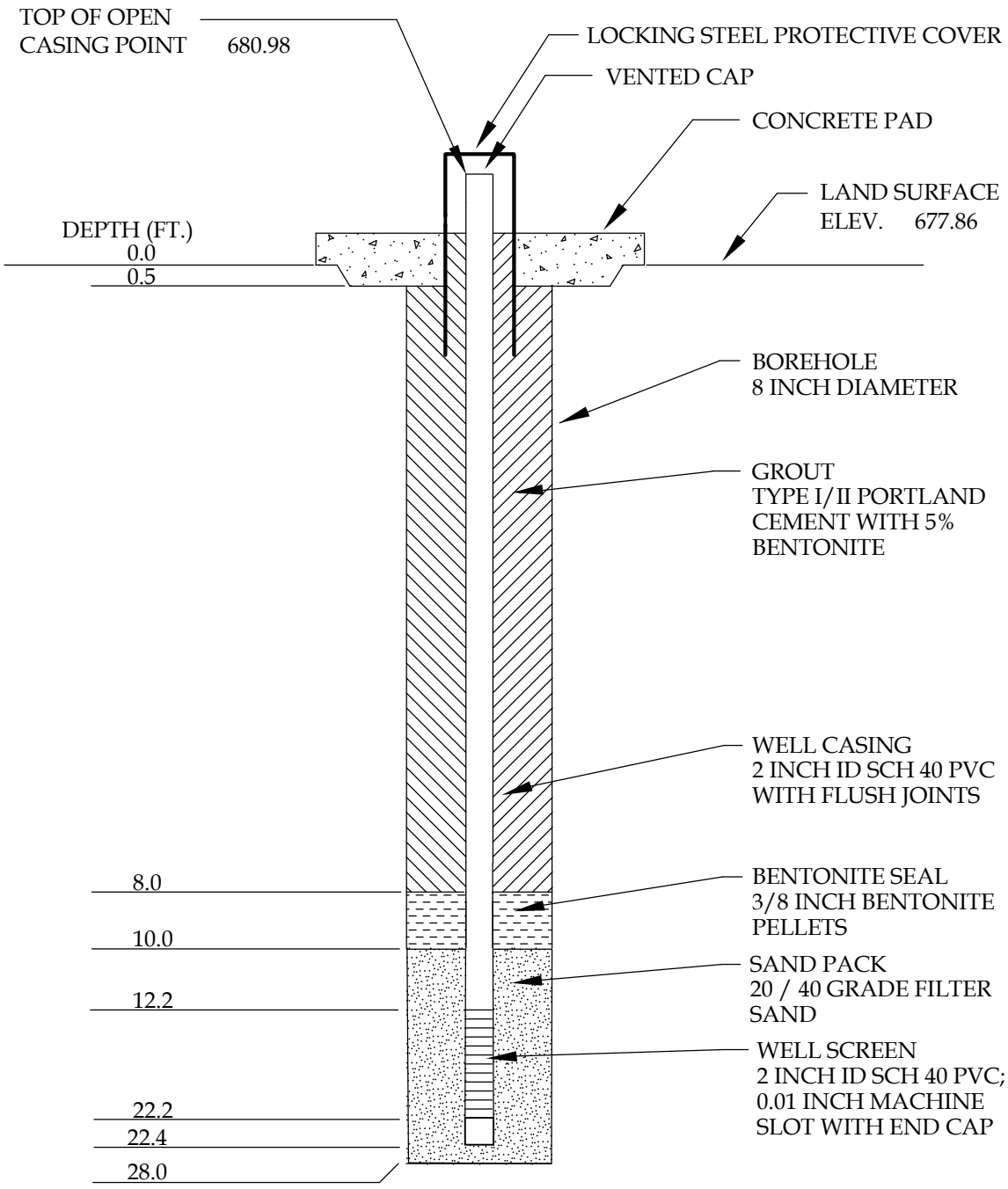


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-11
DATE INSTALLED	4/11/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

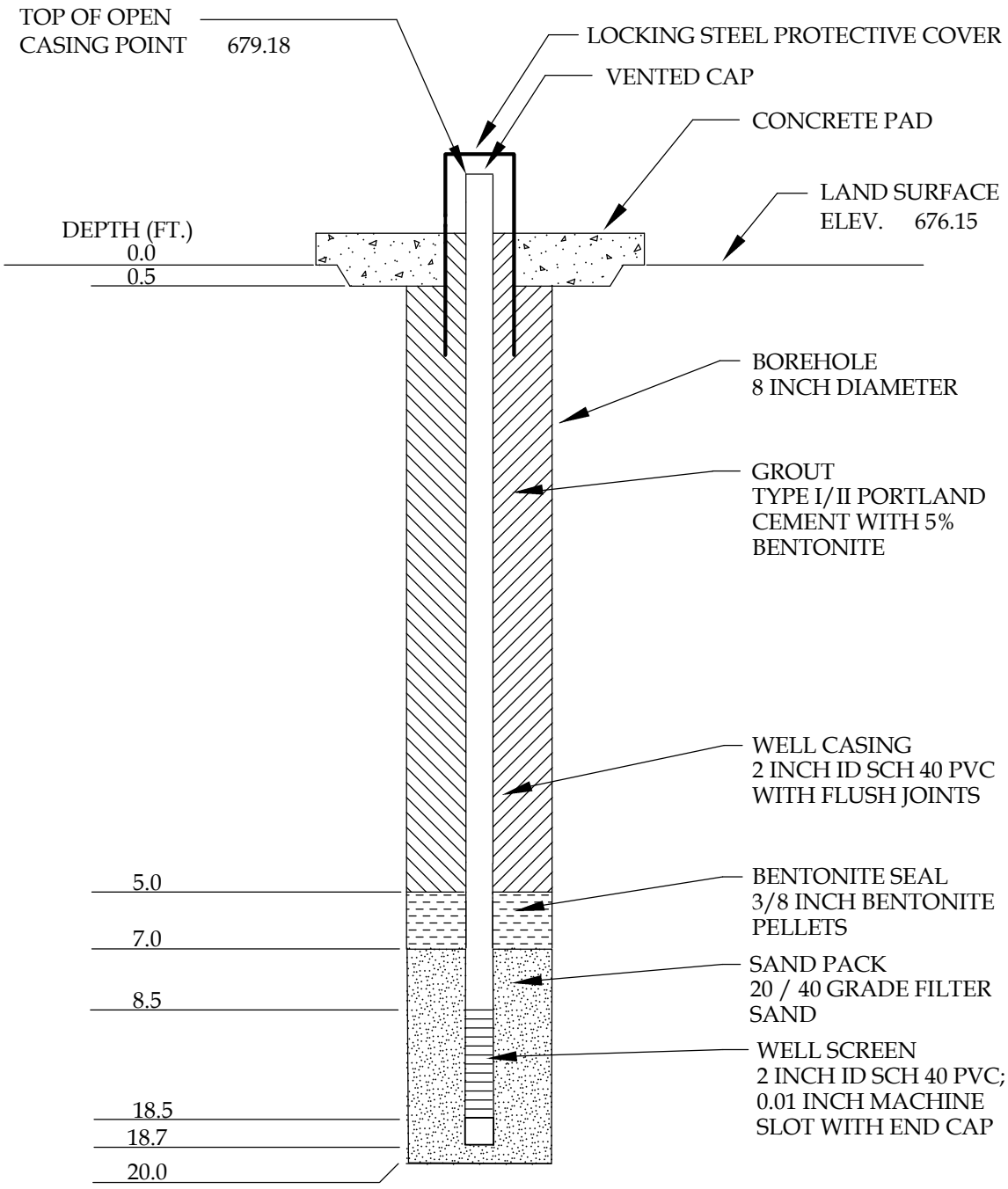


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-12
DATE INSTALLED	4/11/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

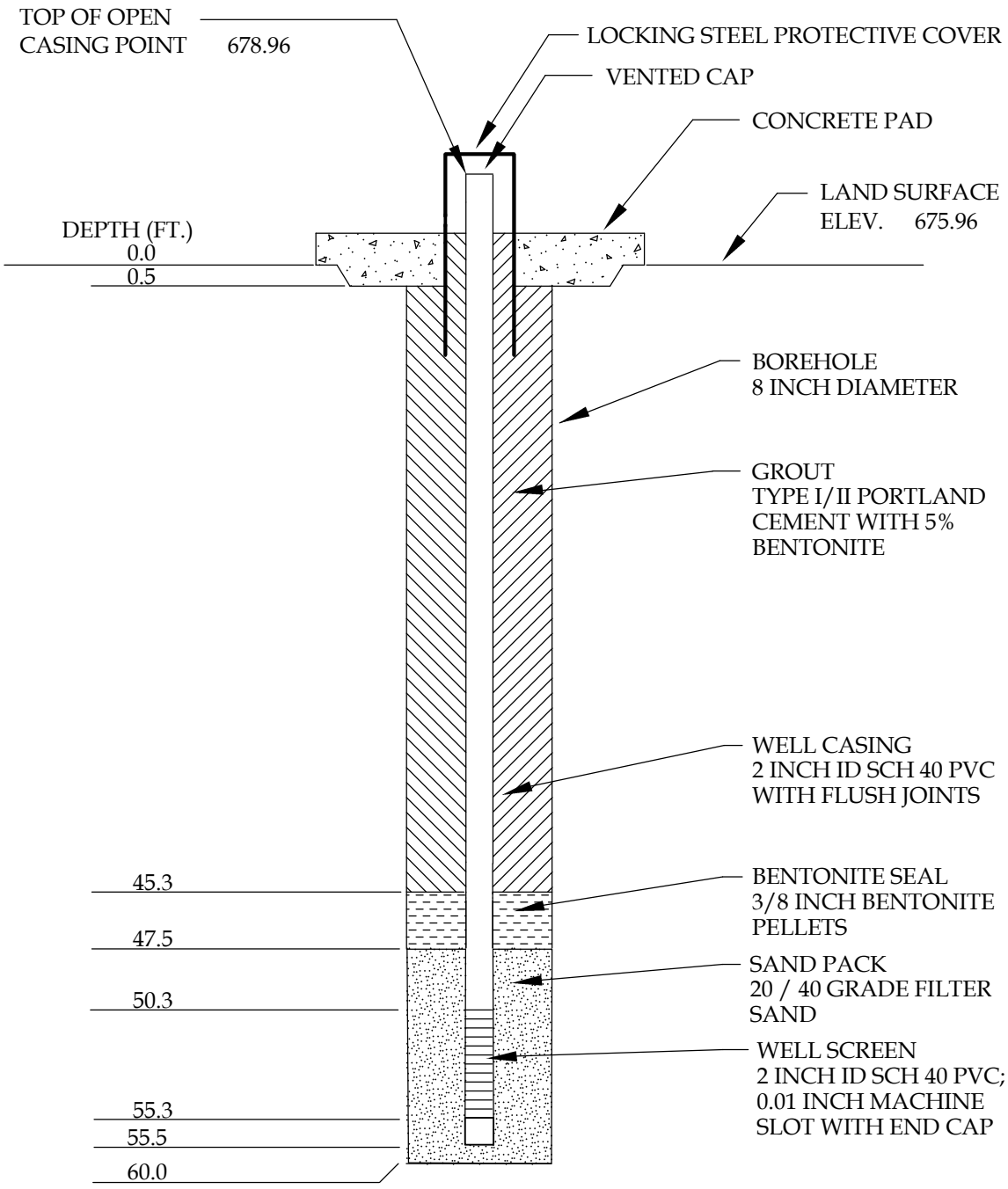


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-13
DATE INSTALLED	4/21/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

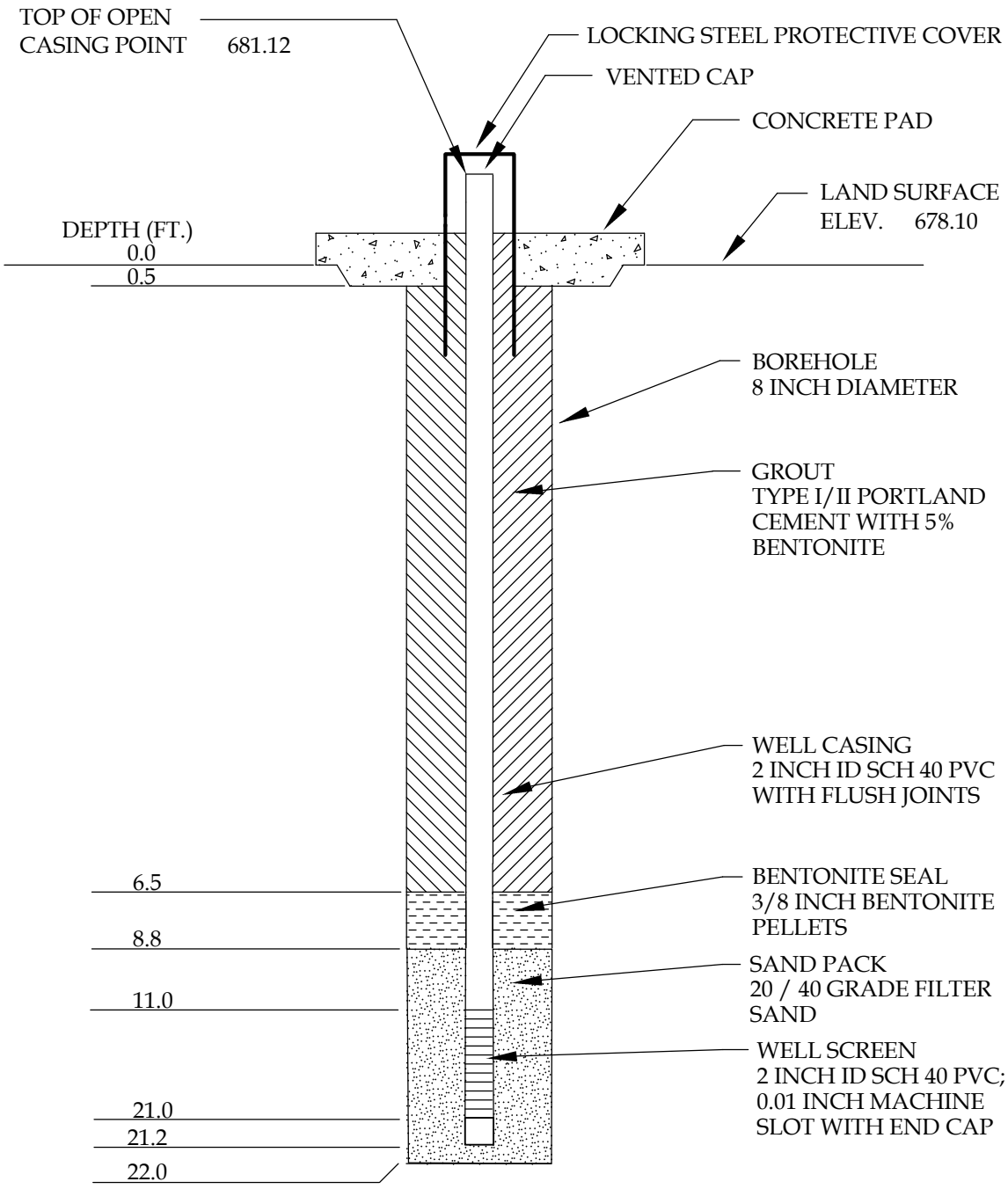


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-13A
DATE INSTALLED	4/21/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

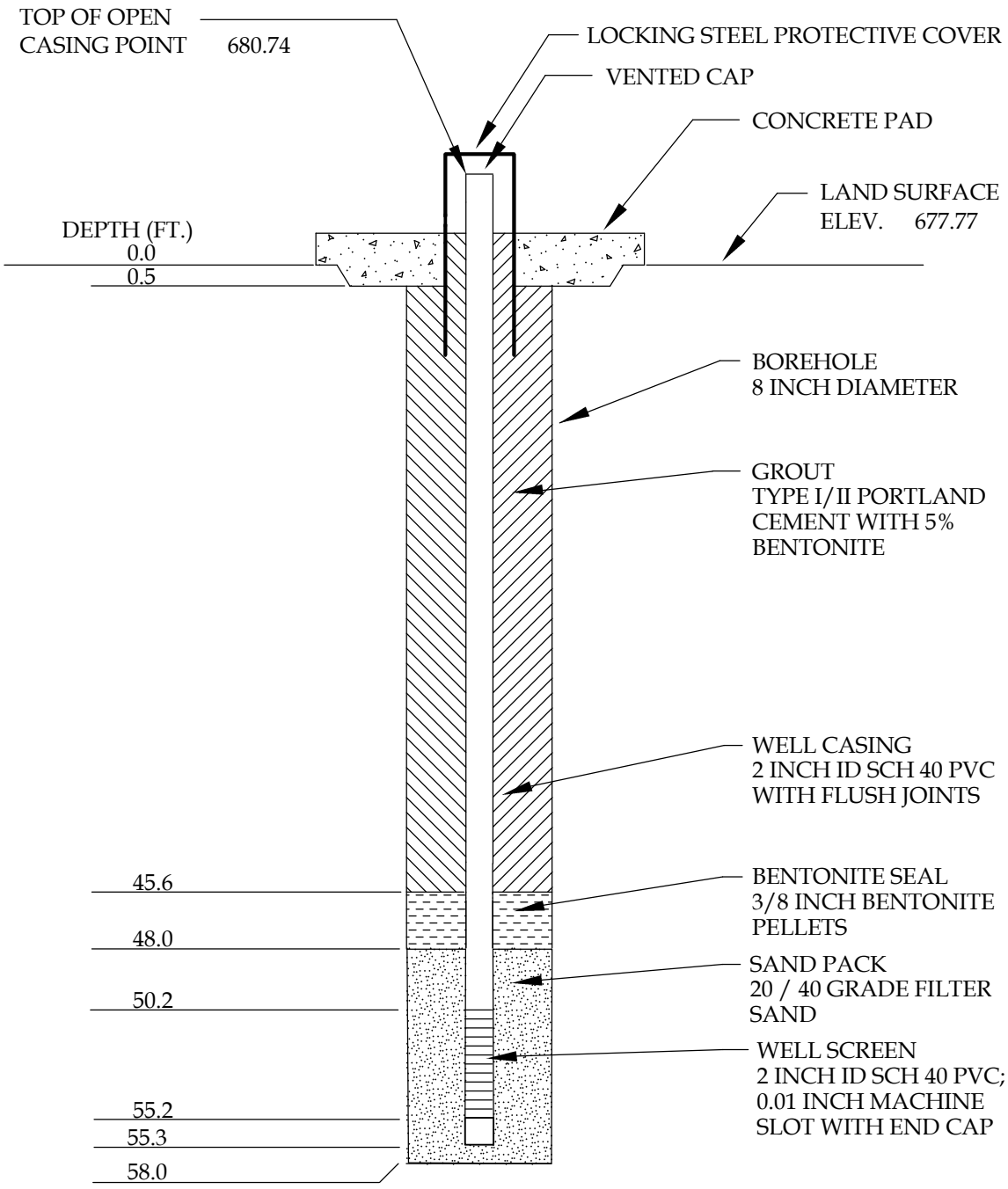


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-14
DATE INSTALLED	5/8/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

/WEL-DIA/MW00000C/MW0000BC

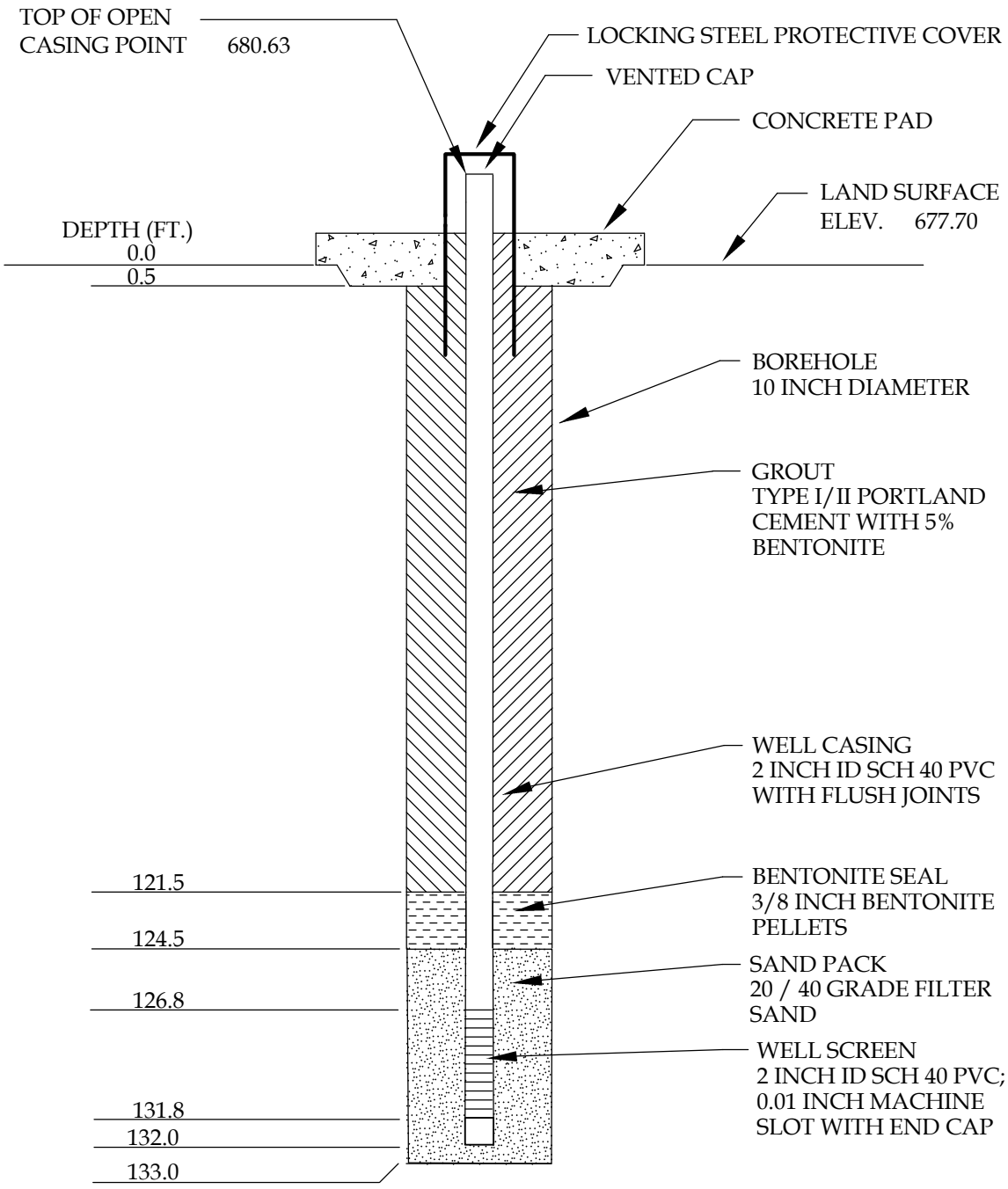


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-14A
DATE INSTALLED	5/7/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

/WEL-DIA/MW00000C/MW0000BC

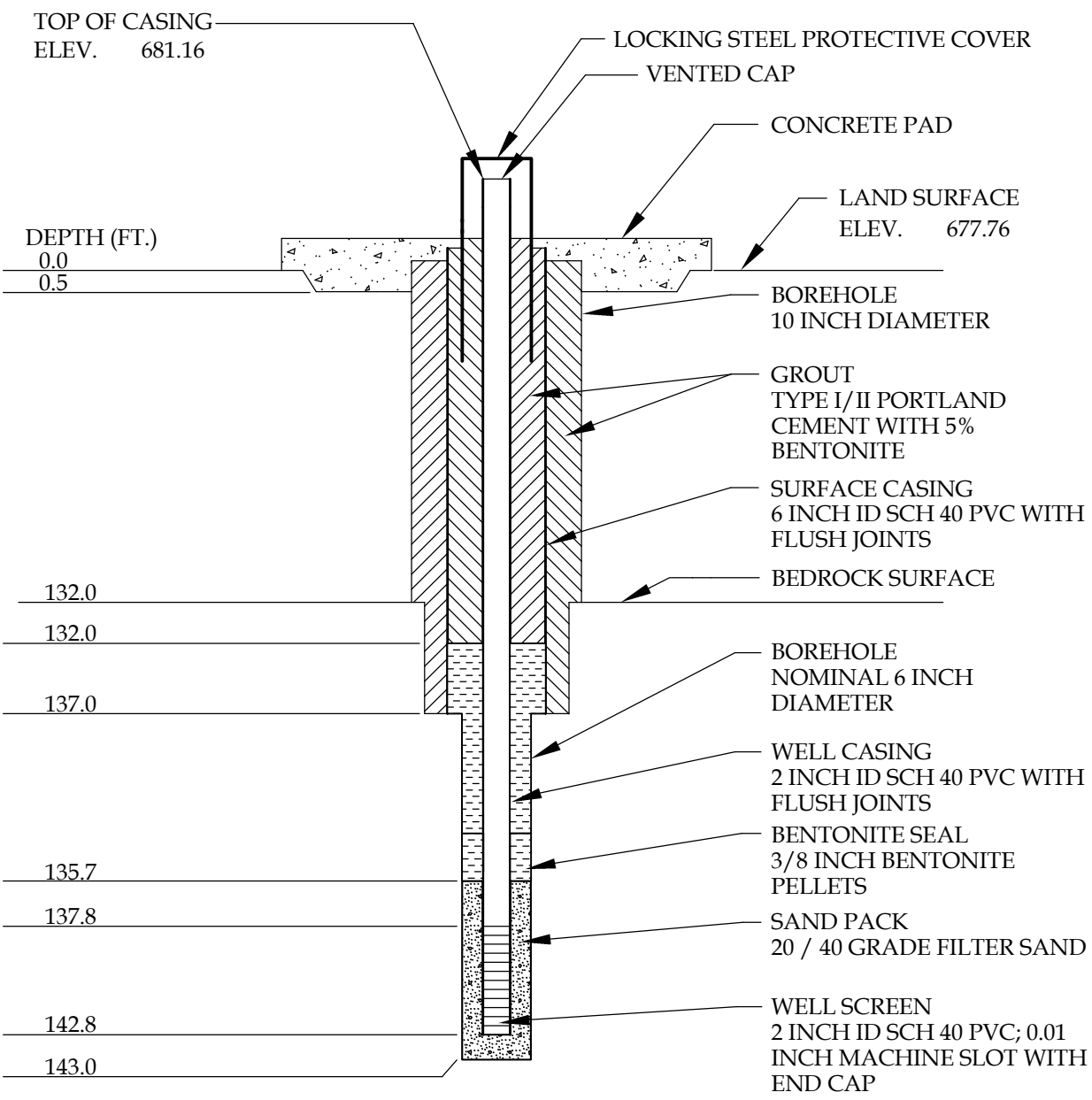


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-14B
DATE INSTALLED	6/2/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

MWSINGLECASING



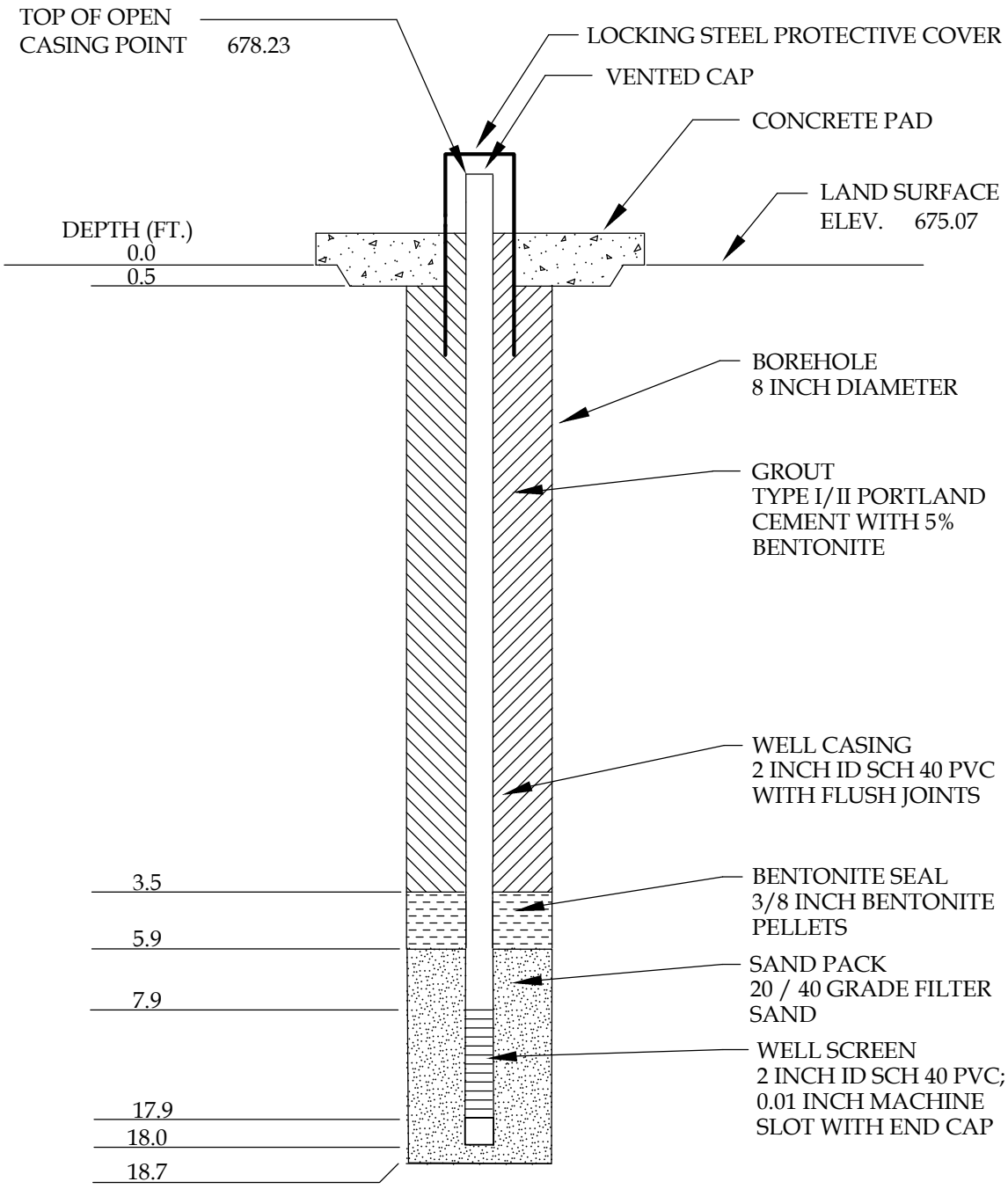
WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-14C
DATE INSTALLED	5/27/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty/Michelle Hays

TRC

/WEL-DIA/MW00000C/MW0000BC

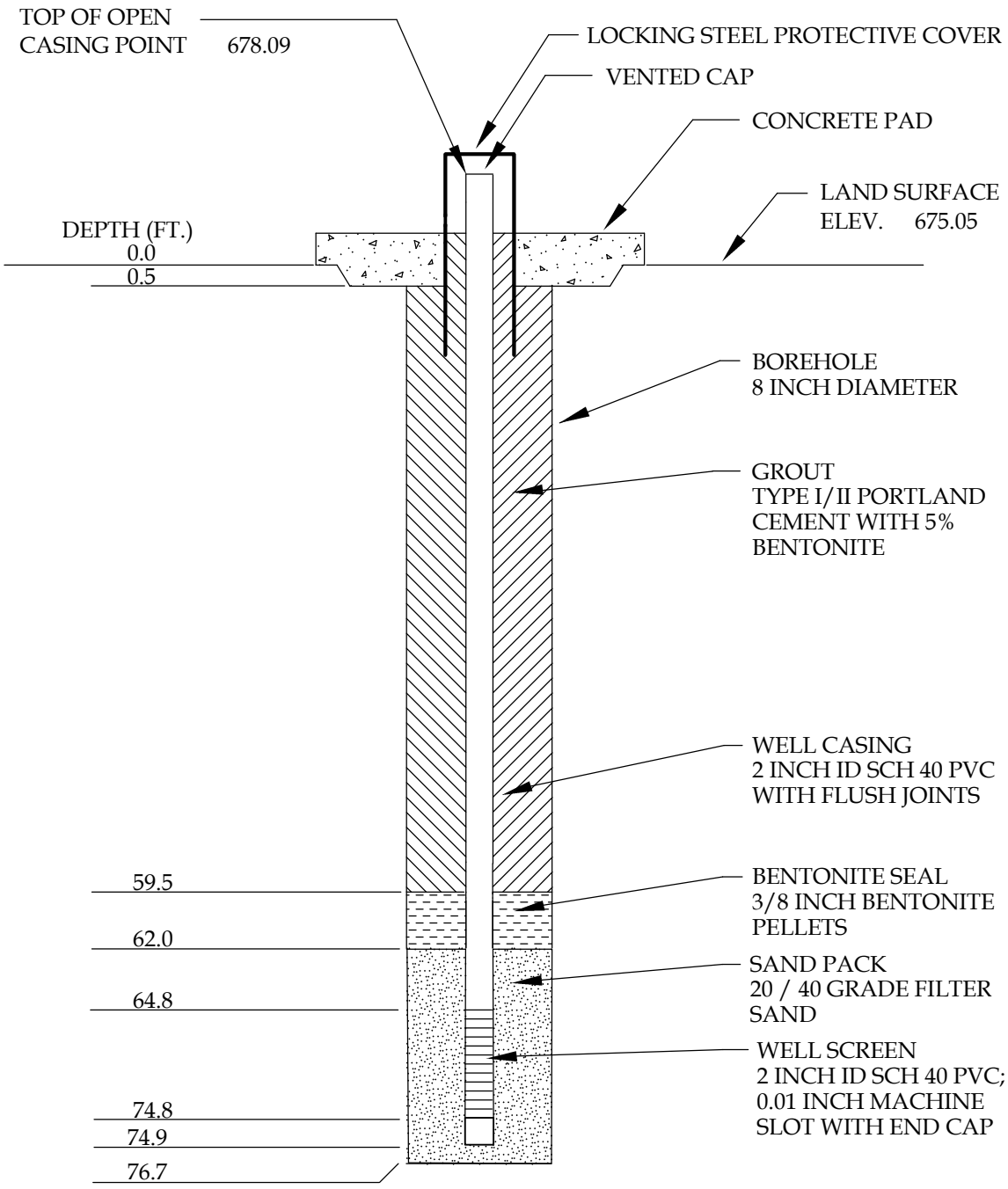


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-15
DATE INSTALLED	5/6/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

/WEL-DIA/MW00000C/MW0000BC

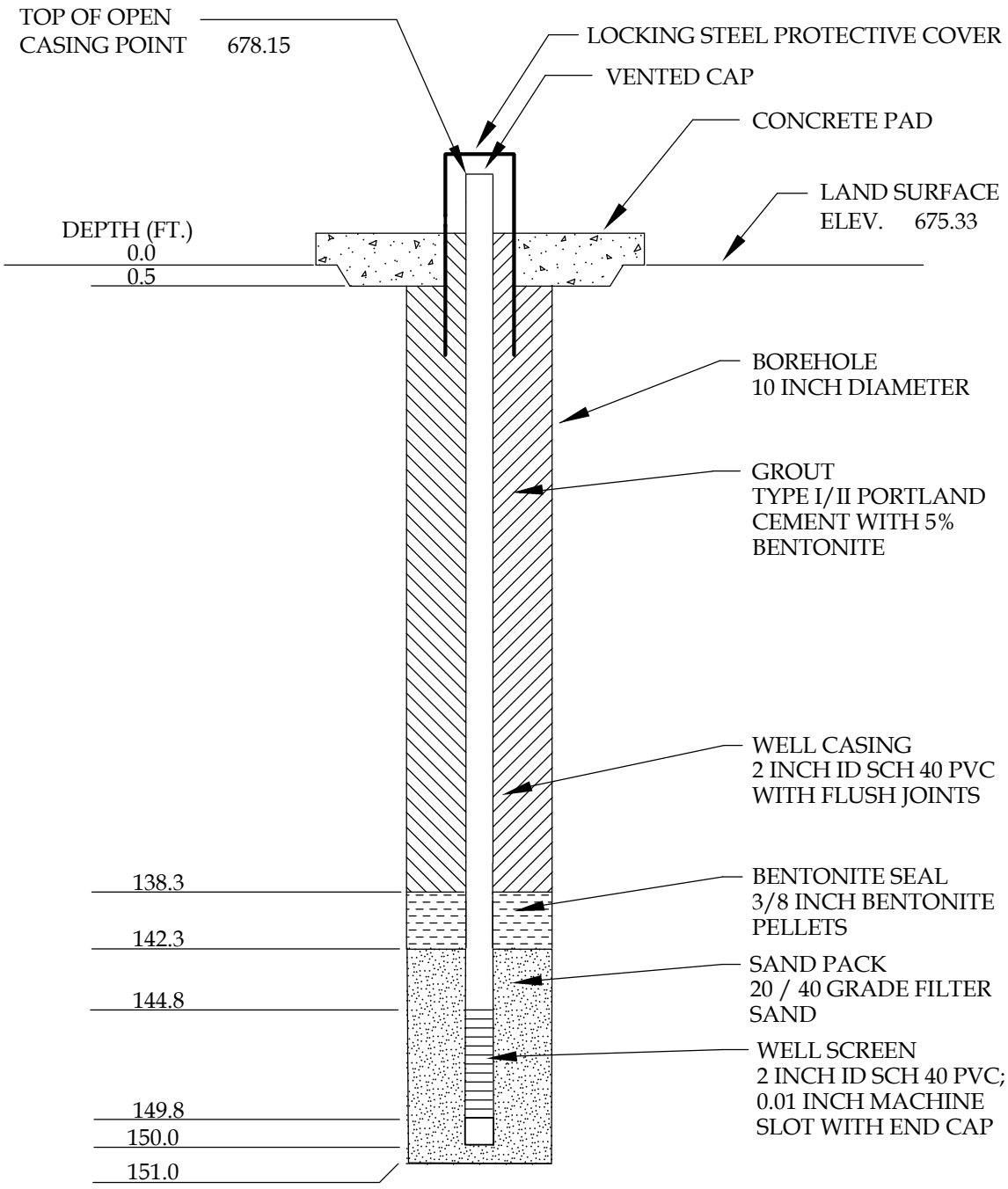


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-15A
DATE INSTALLED	5/6/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

/WEL-DIA/MW00000C/MW0000BC

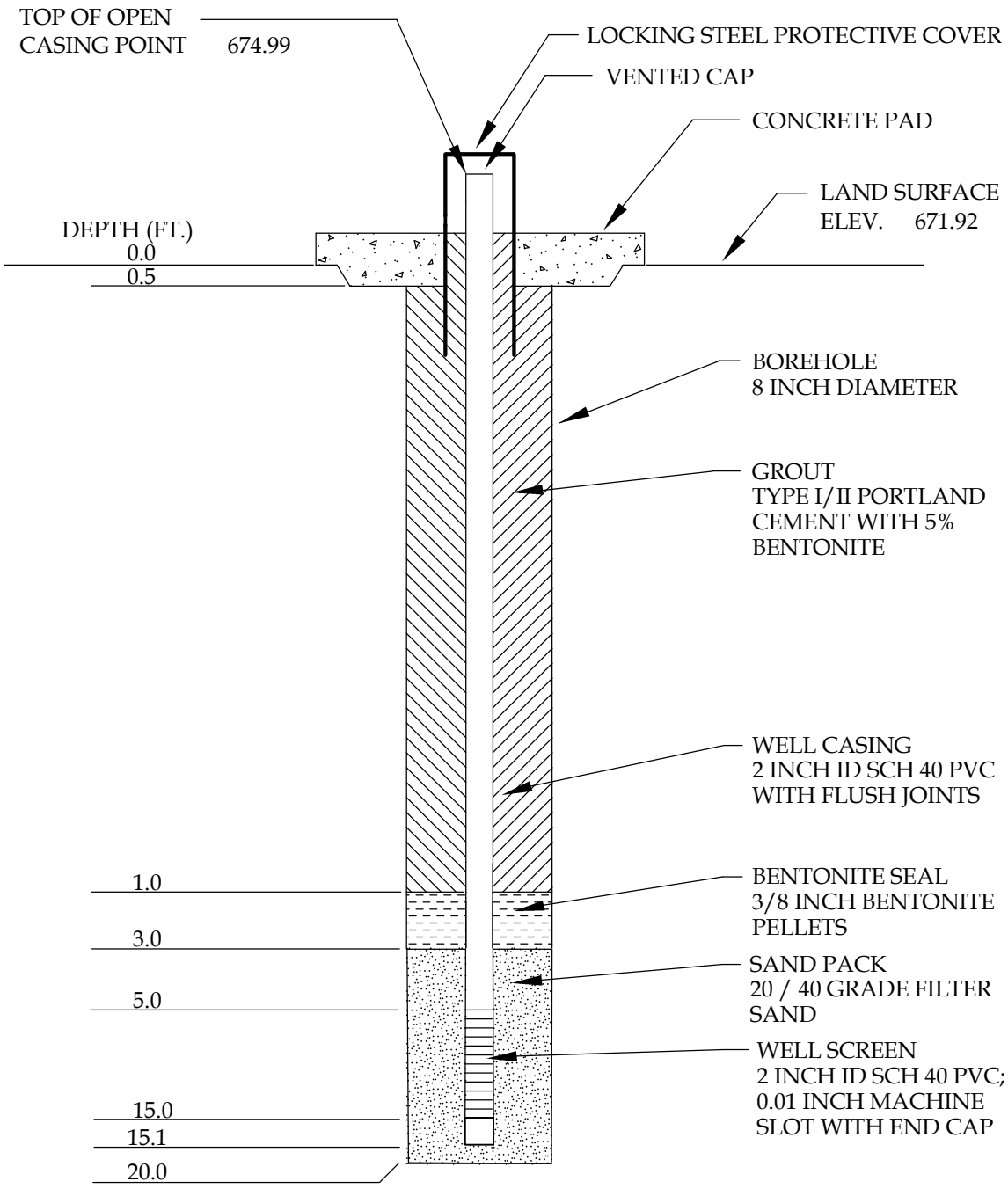


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-15B
DATE INSTALLED	5/13/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

/WEL-DIA/MW00000C/MW0000BC

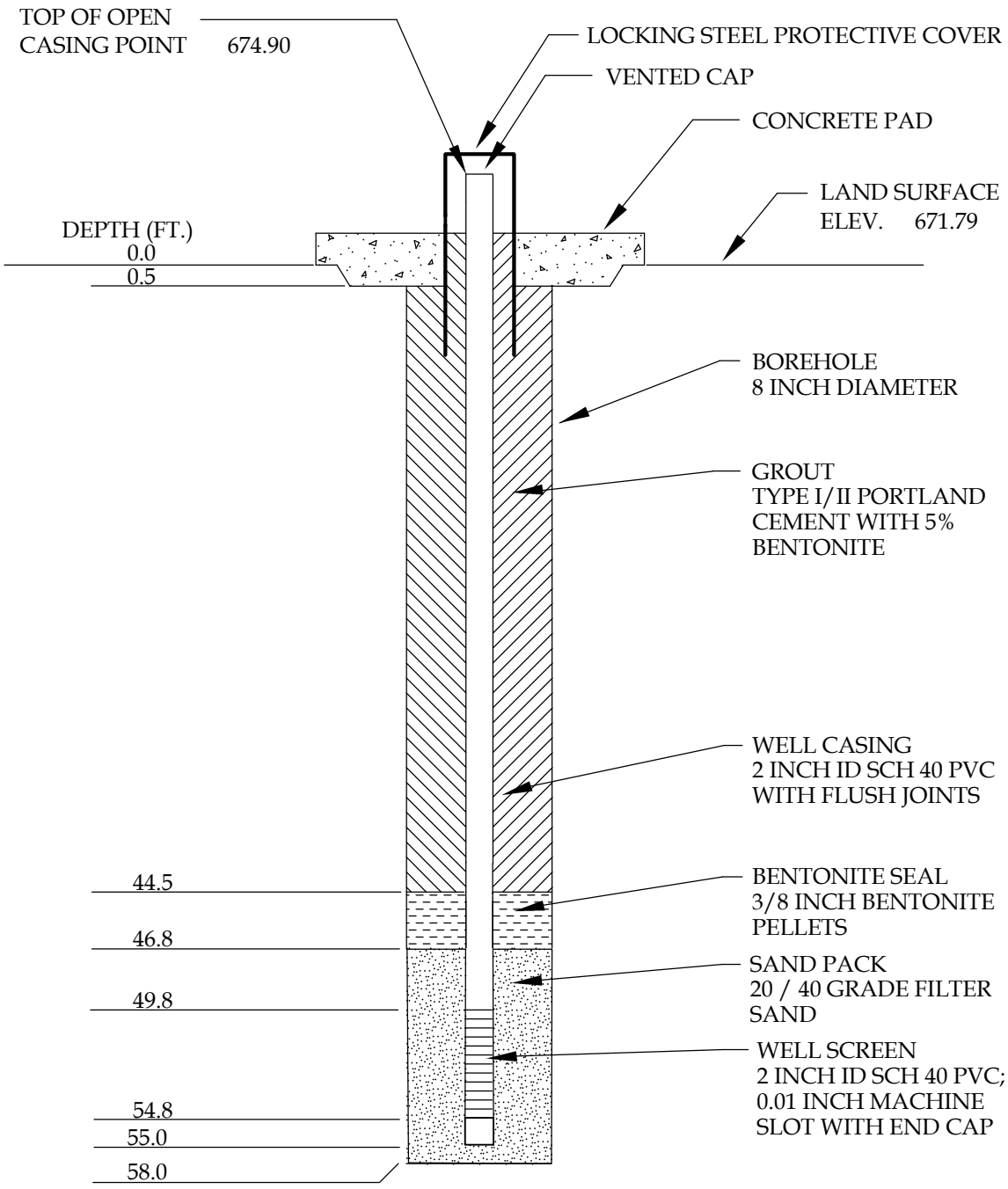


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-16
DATE INSTALLED	5/1/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

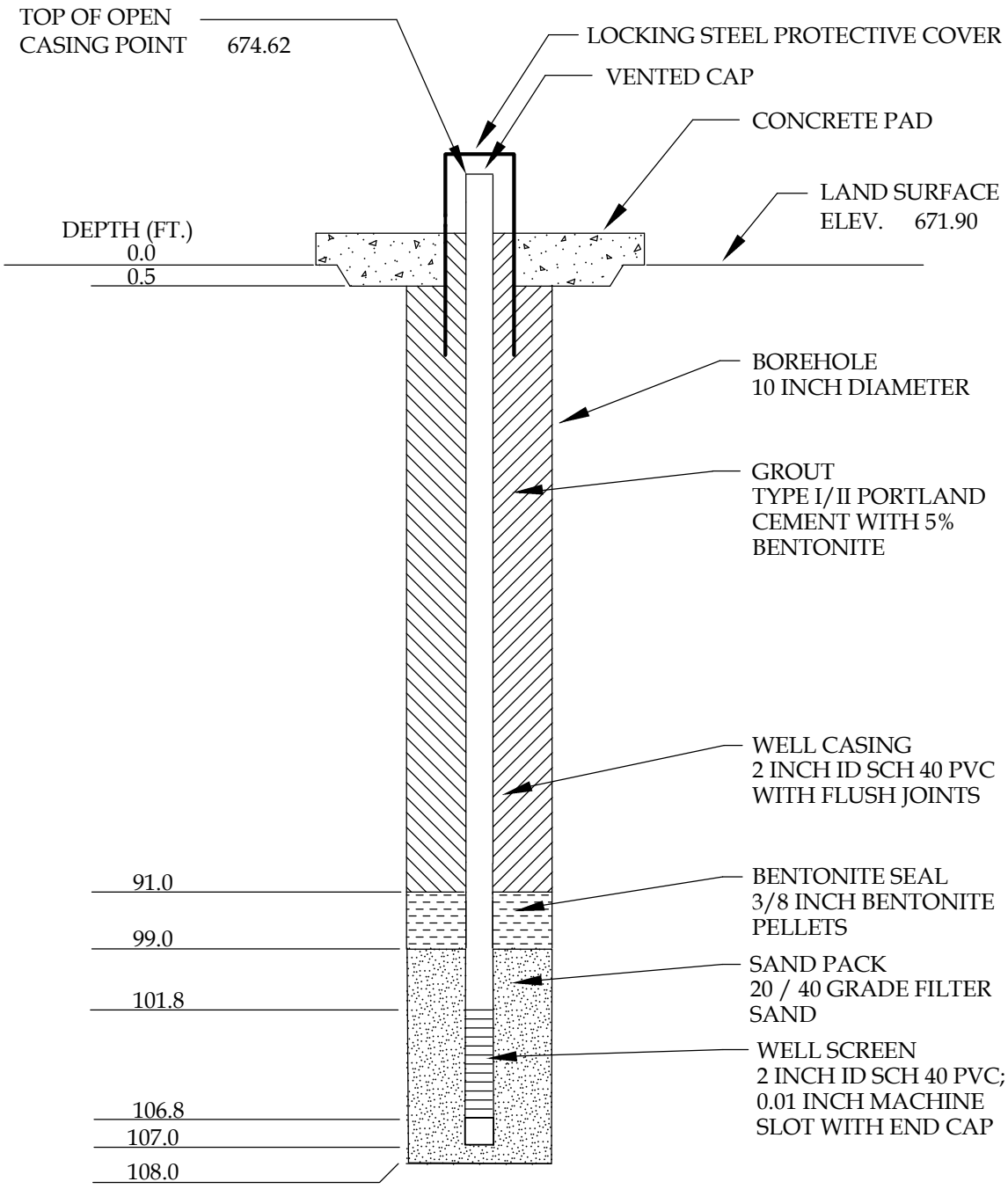


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-16A
DATE INSTALLED	5/5/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

/WEL-DIA/MW00000C/MW0000BC

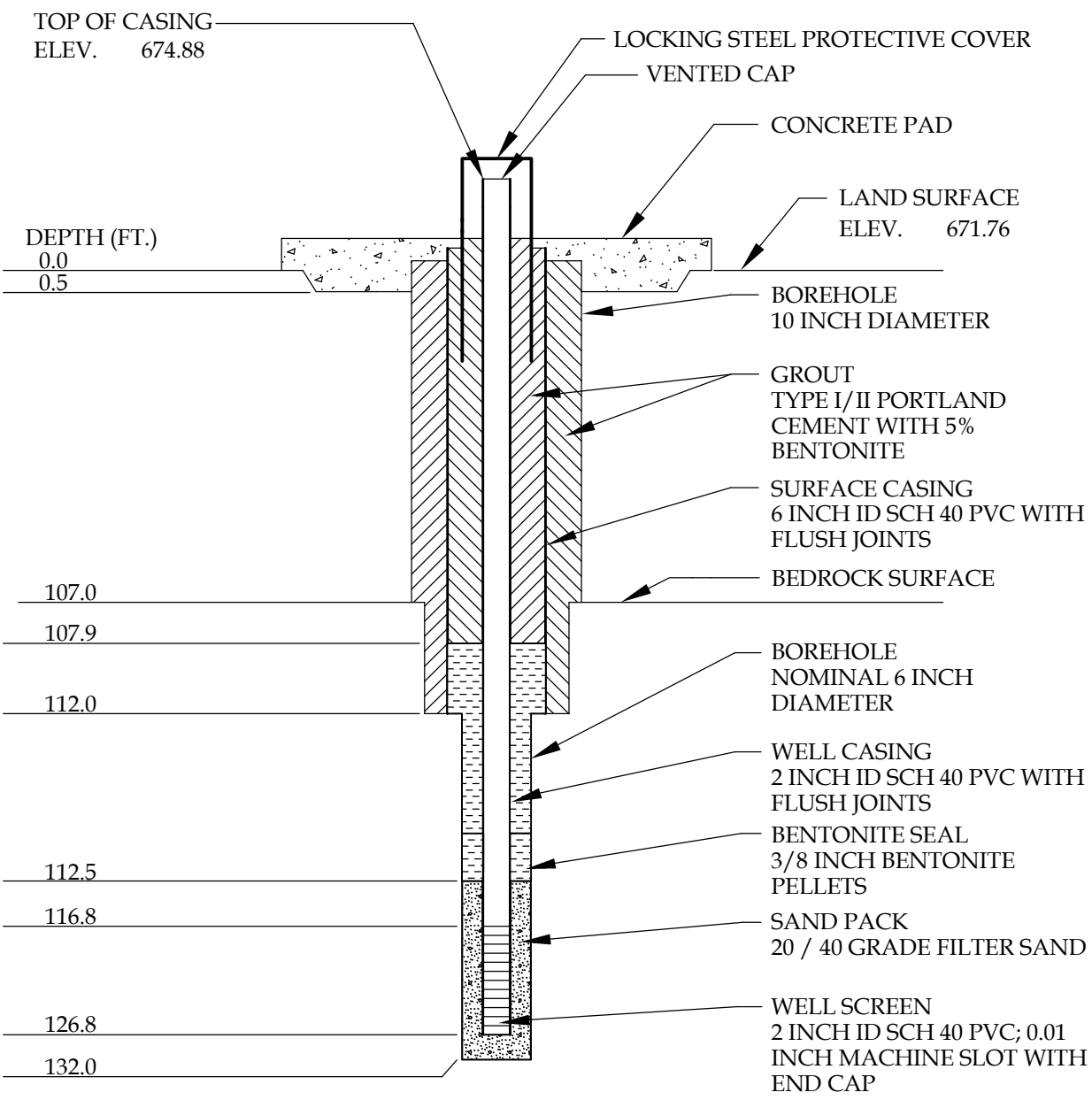


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-16B
DATE INSTALLED	5/29/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

MWSINGLECASING

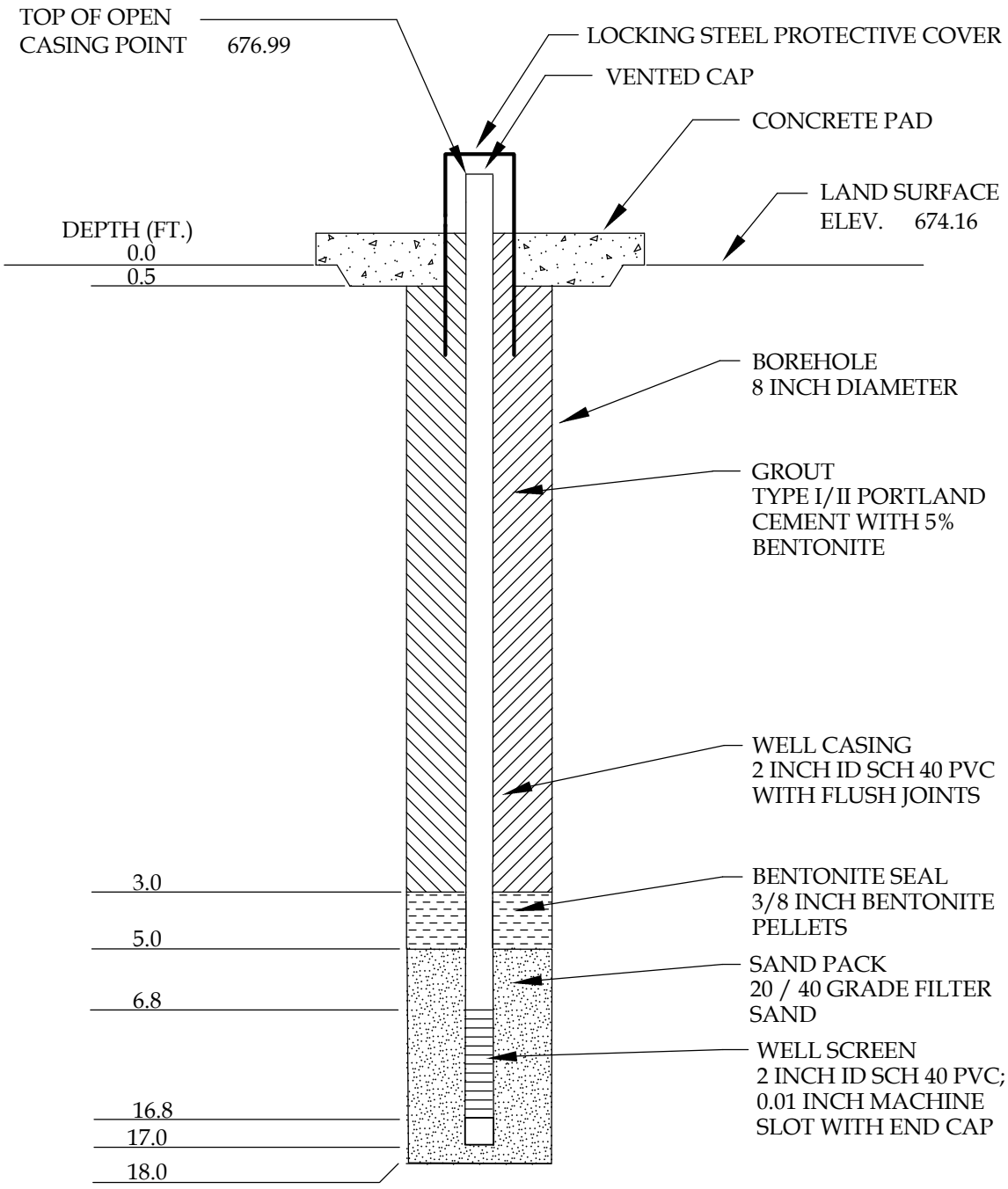


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-16C
DATE INSTALLED	5/23/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

/WEL-DIA/MW00000C/MW0000BC

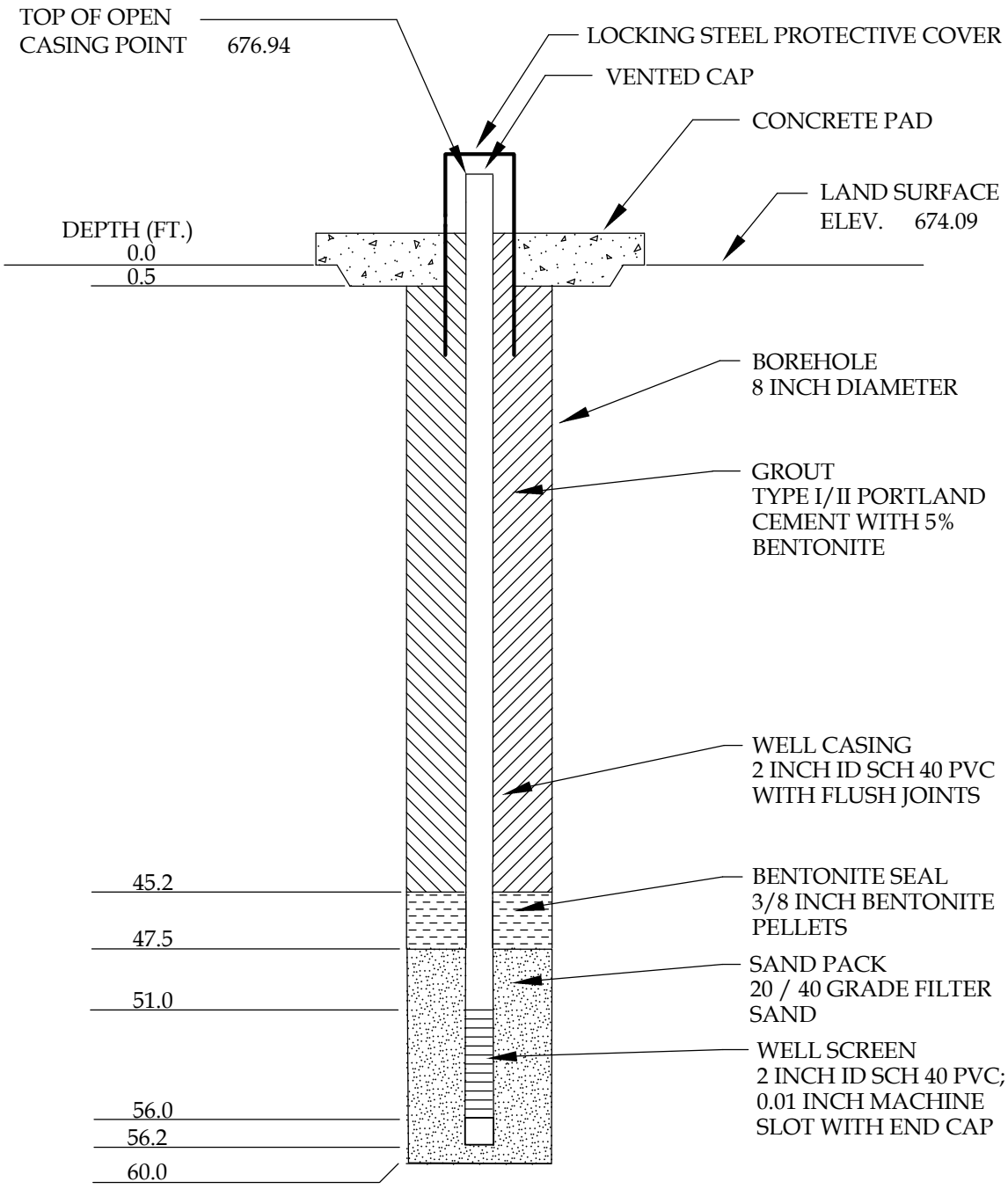


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-17
DATE INSTALLED	4/18/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

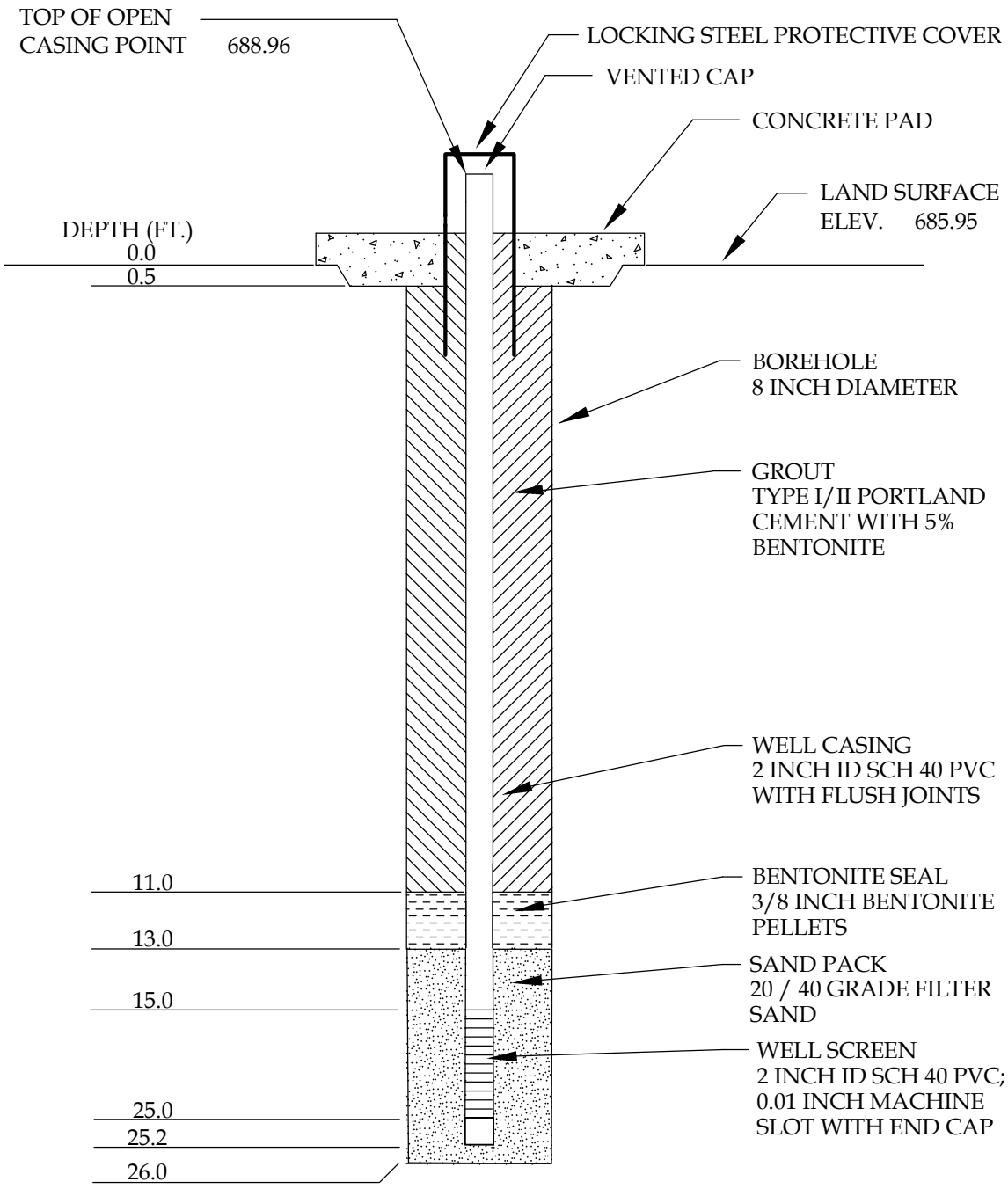


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-17A
DATE INSTALLED	4/22/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

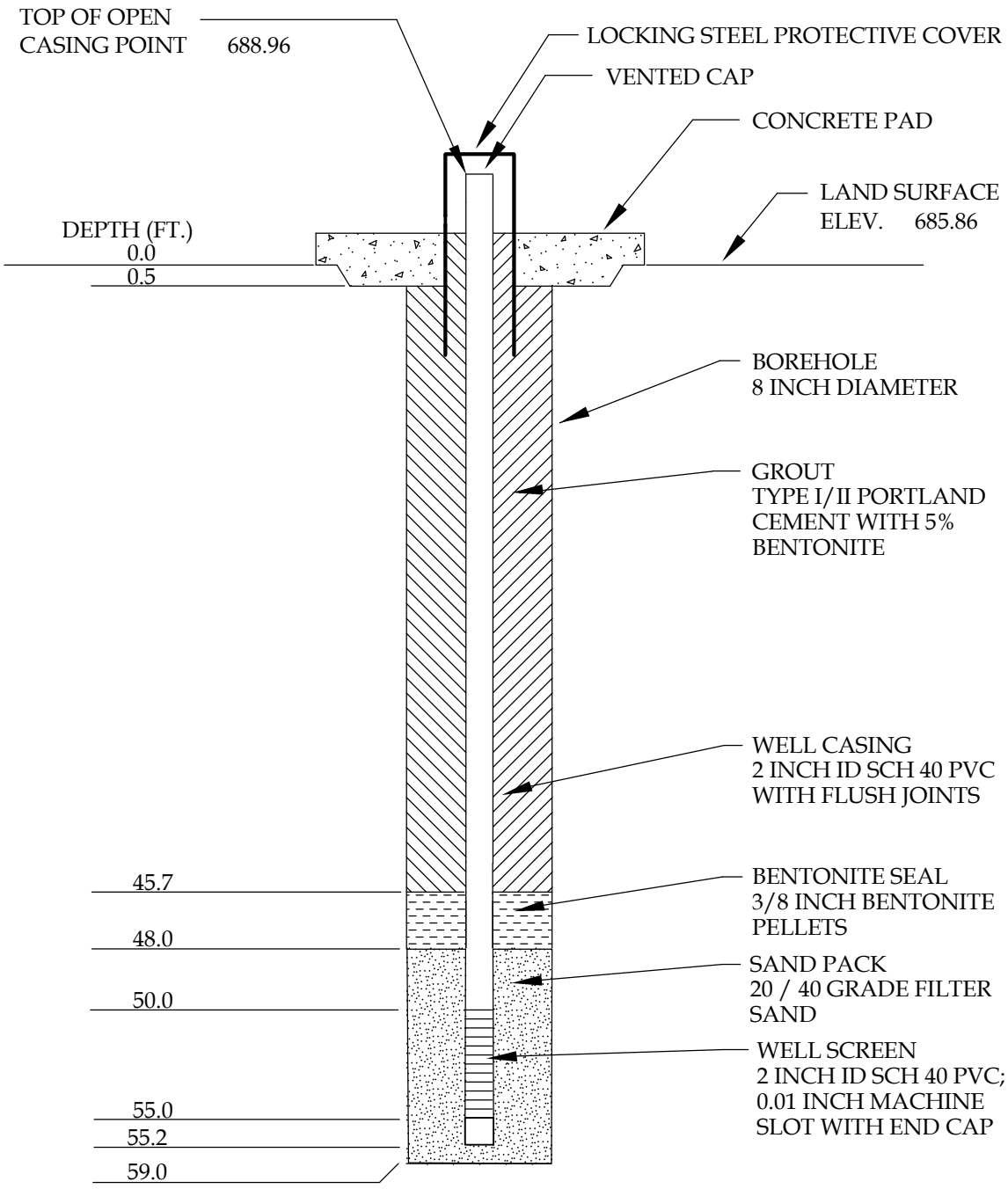


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-18
DATE INSTALLED	4/23/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

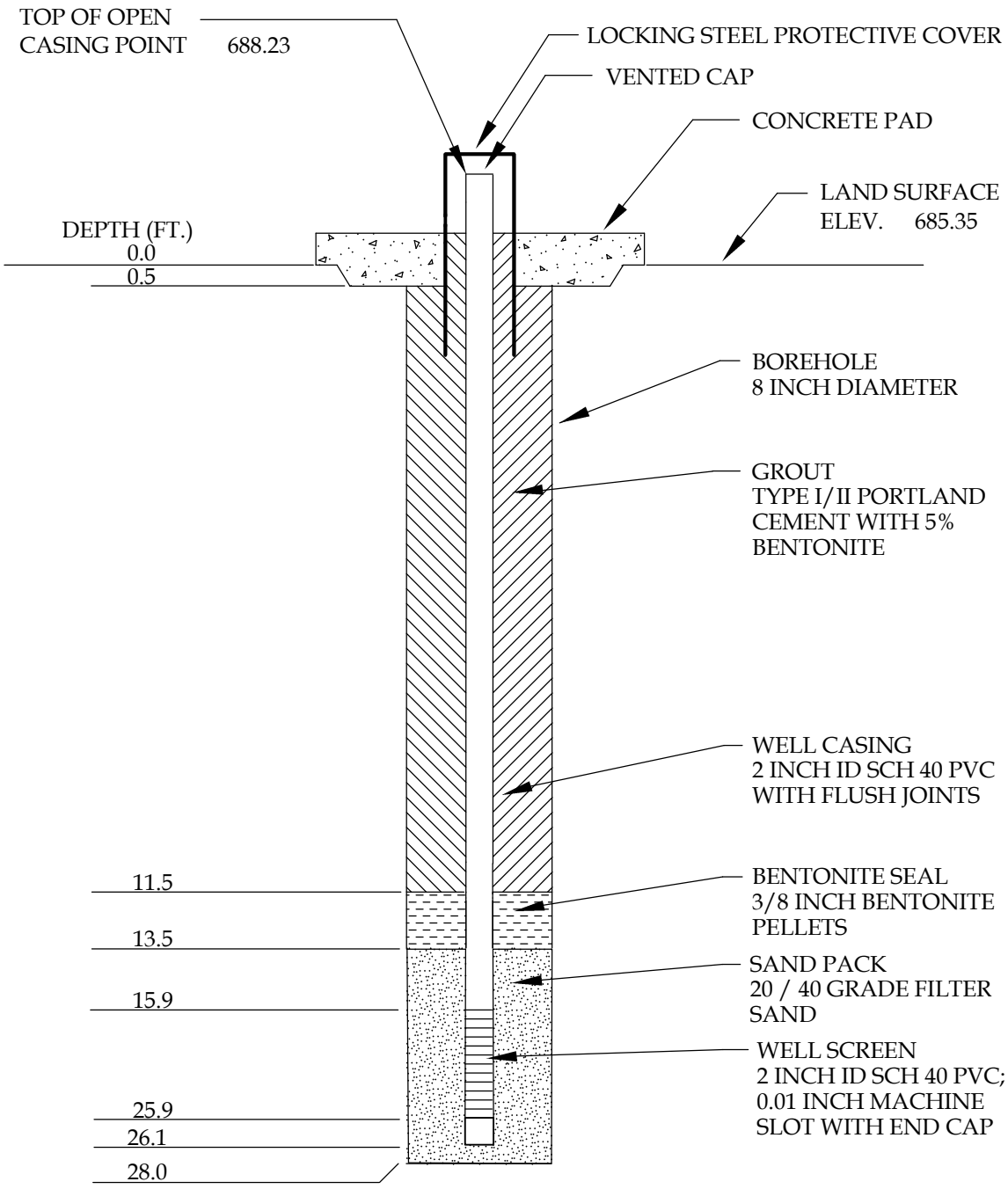


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-18A
DATE INSTALLED	4/23/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

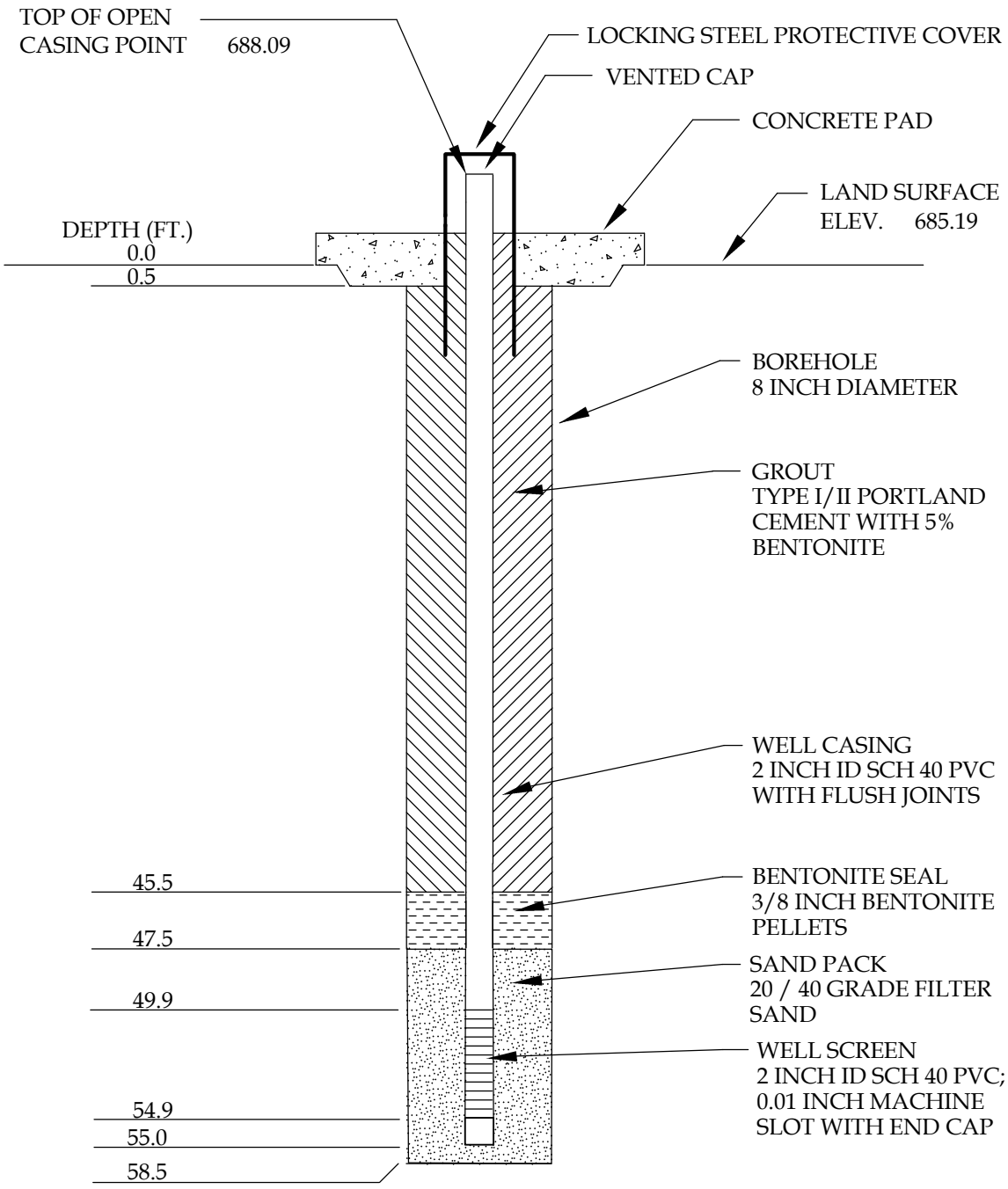


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-19
DATE INSTALLED	4/8/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

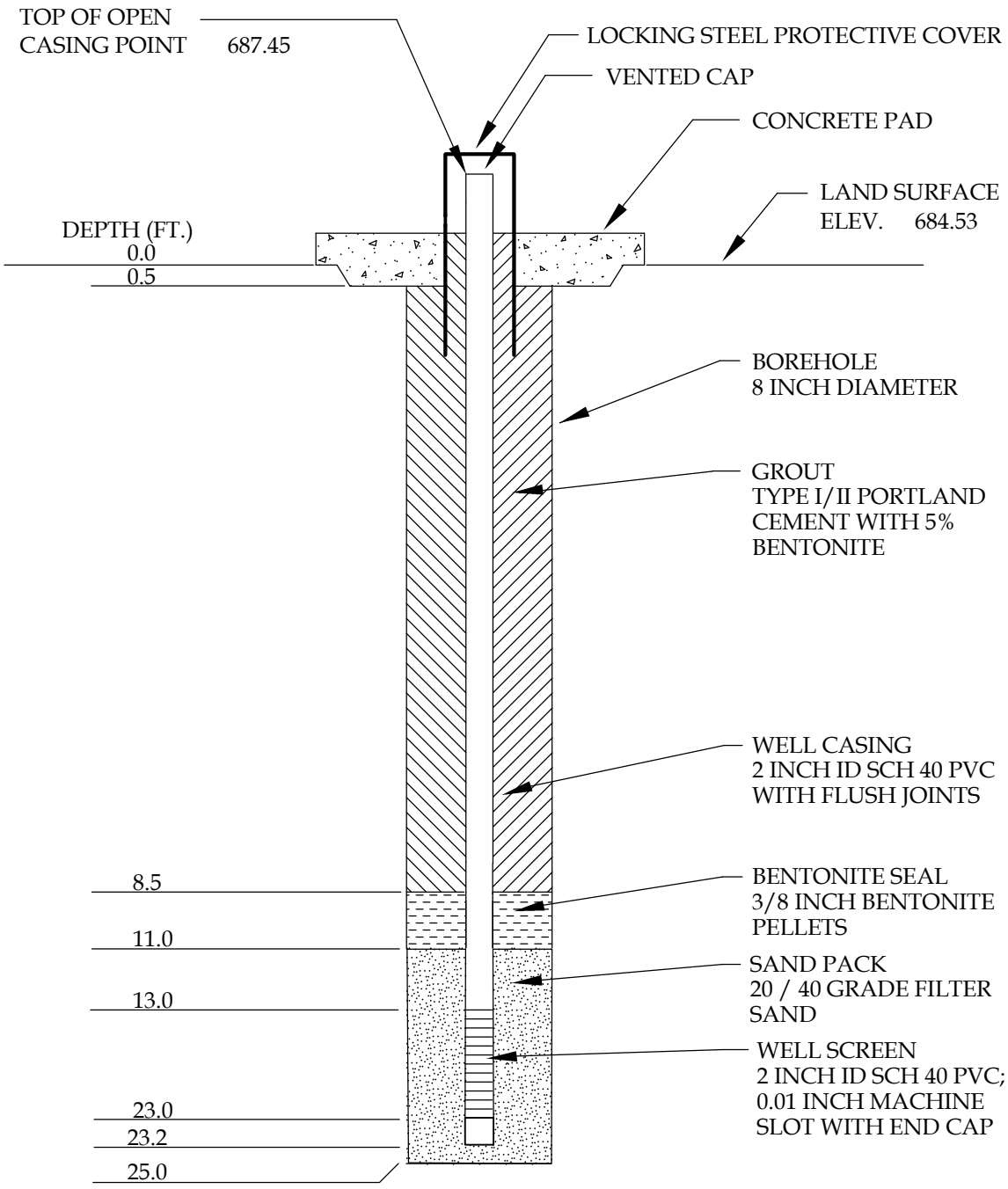


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-19A
DATE INSTALLED	4/8/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

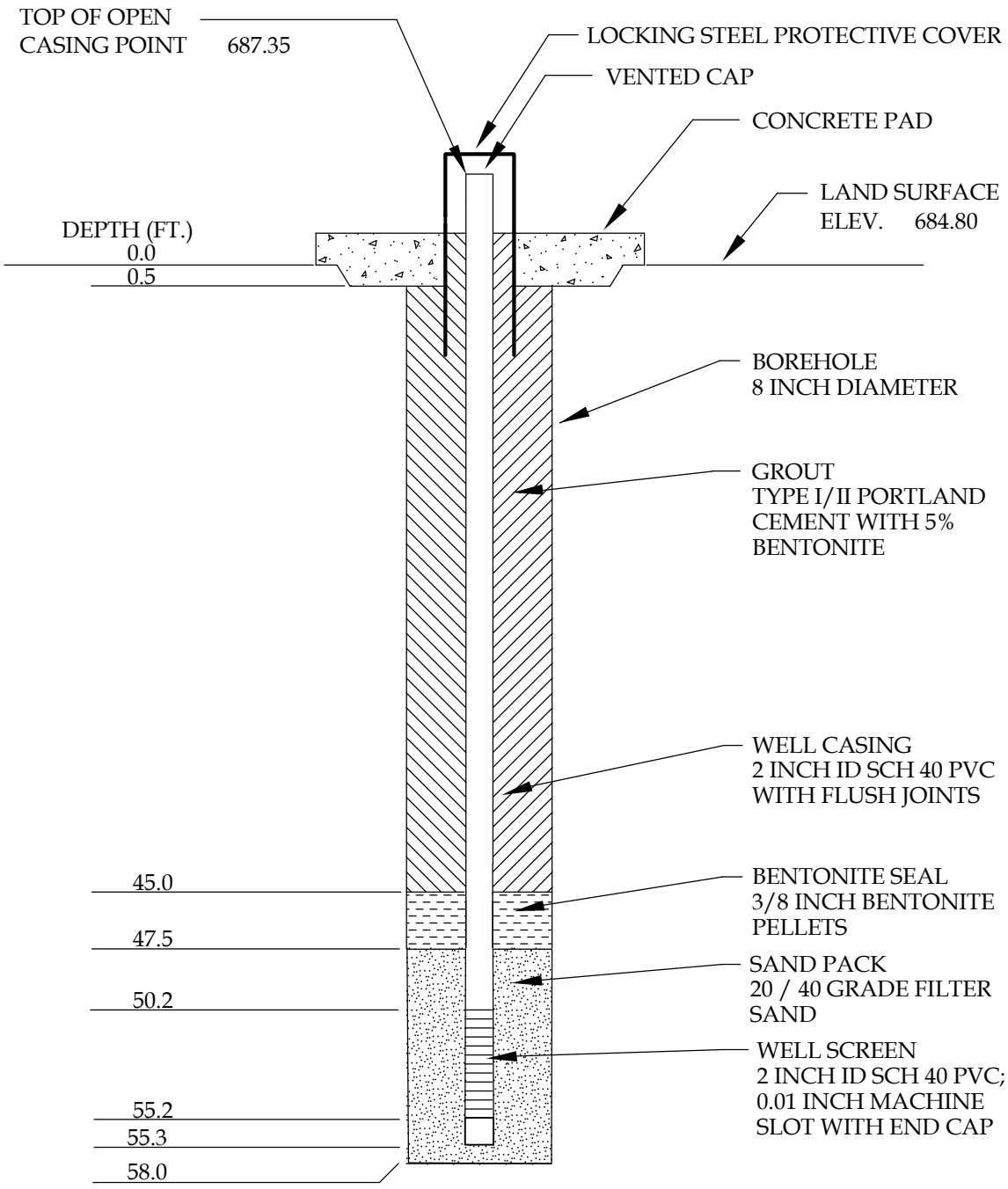


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-20
DATE INSTALLED	4/28/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

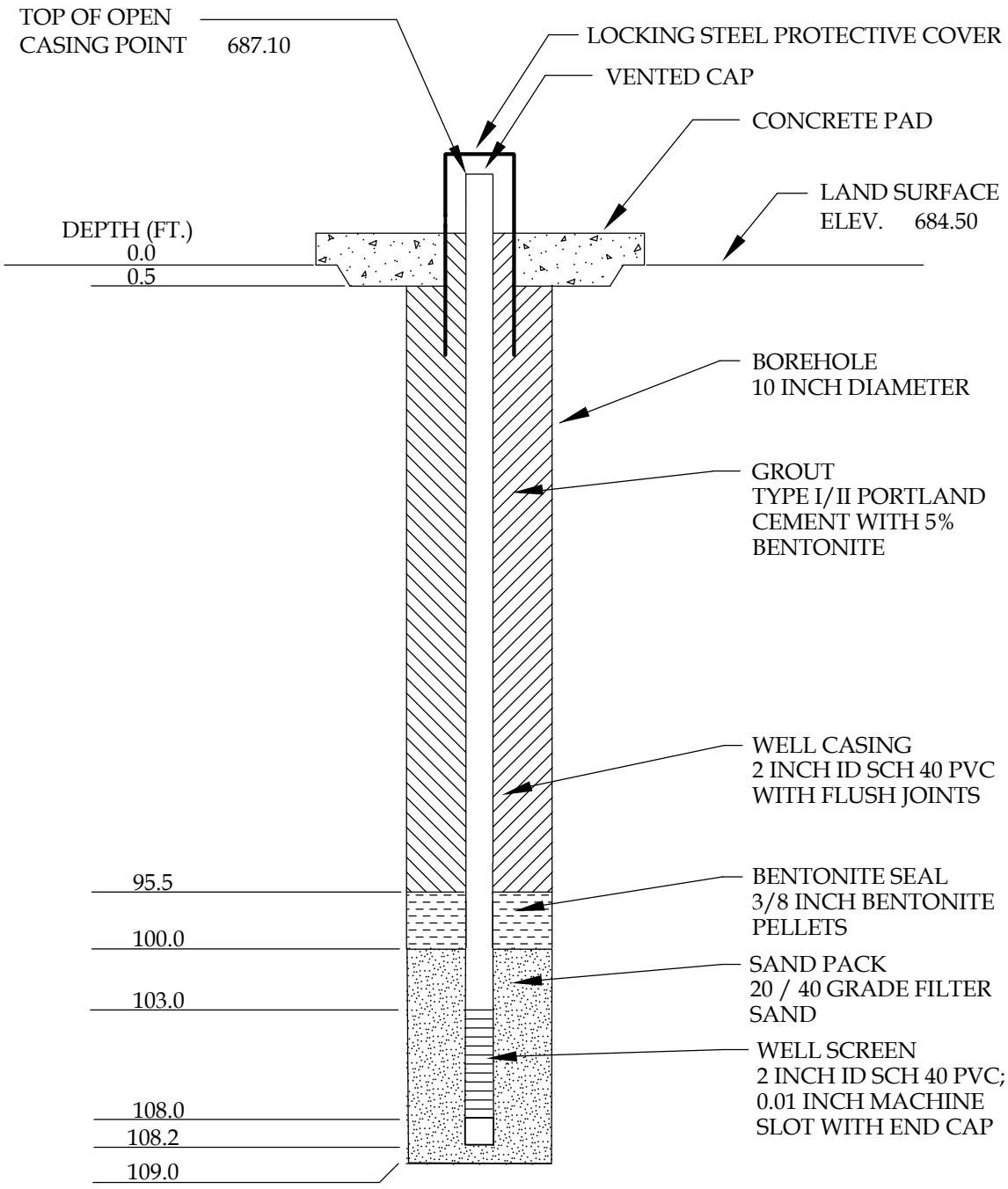


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-20A
DATE INSTALLED	4/29/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

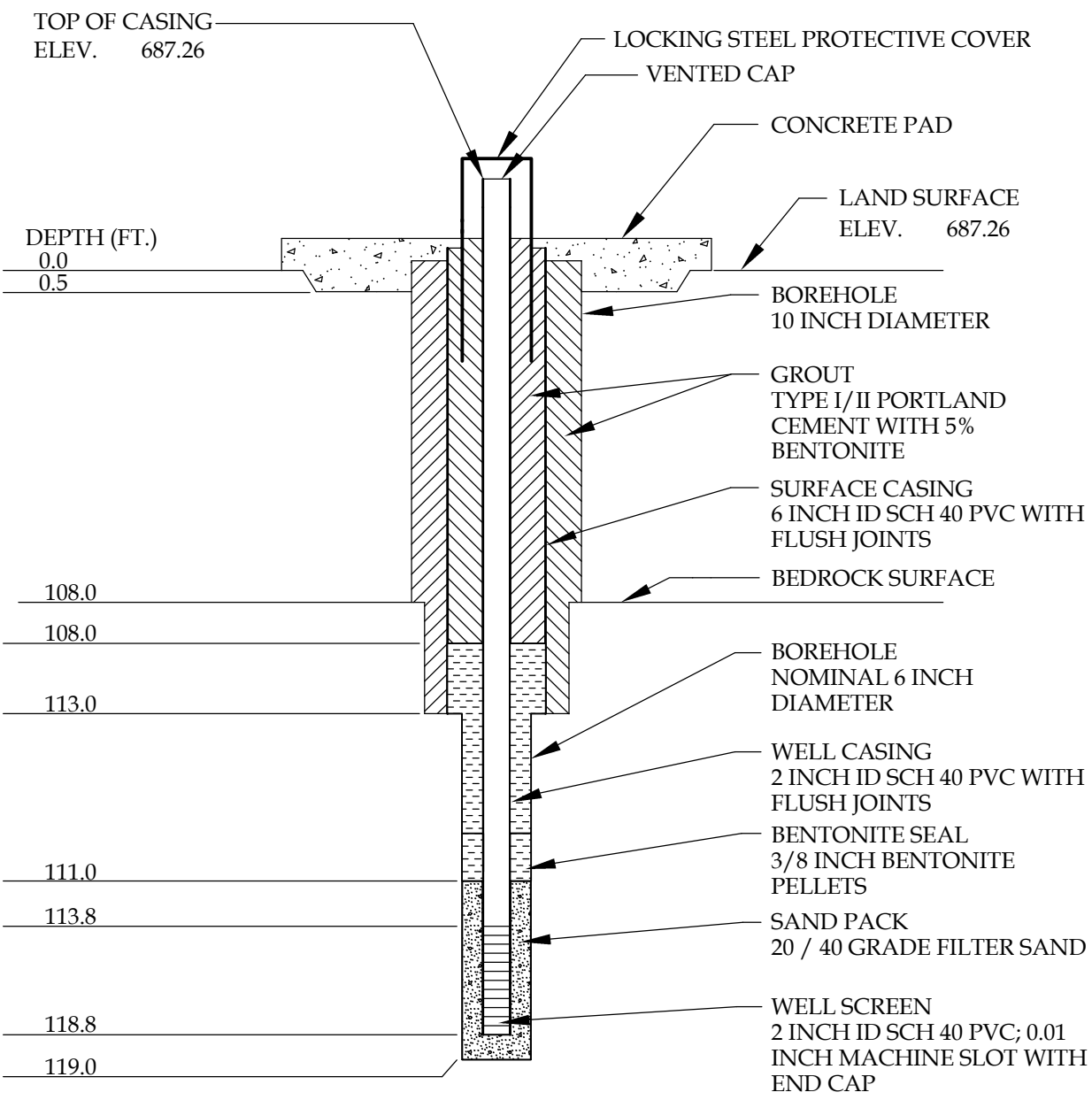


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-20B
DATE INSTALLED	6/17/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty

MWSINGLECASING



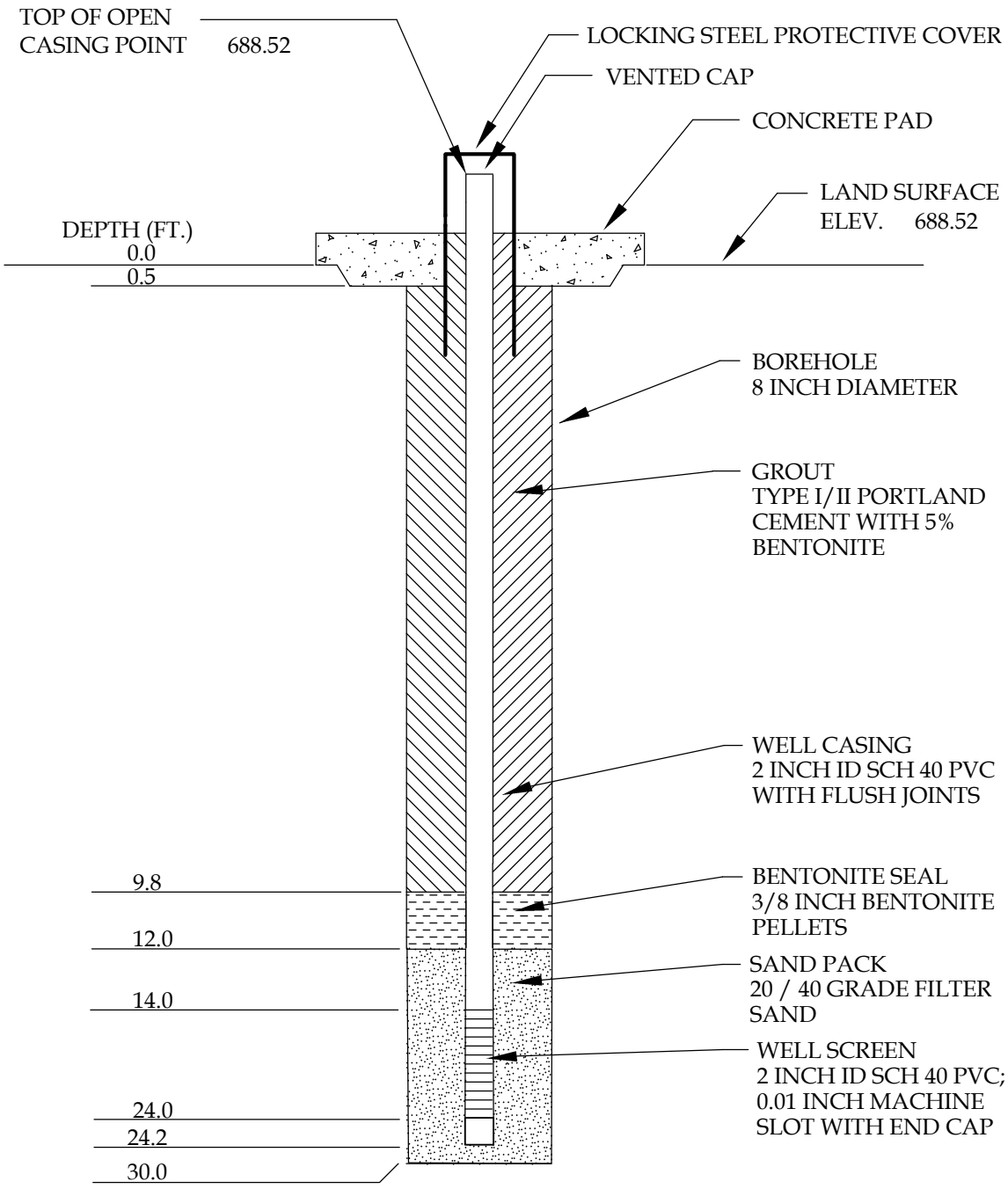
WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-20C
DATE INSTALLED	5/28/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty/Michelle Hays

TRC

/WEL-DIA/MW00000C/MW0000BC

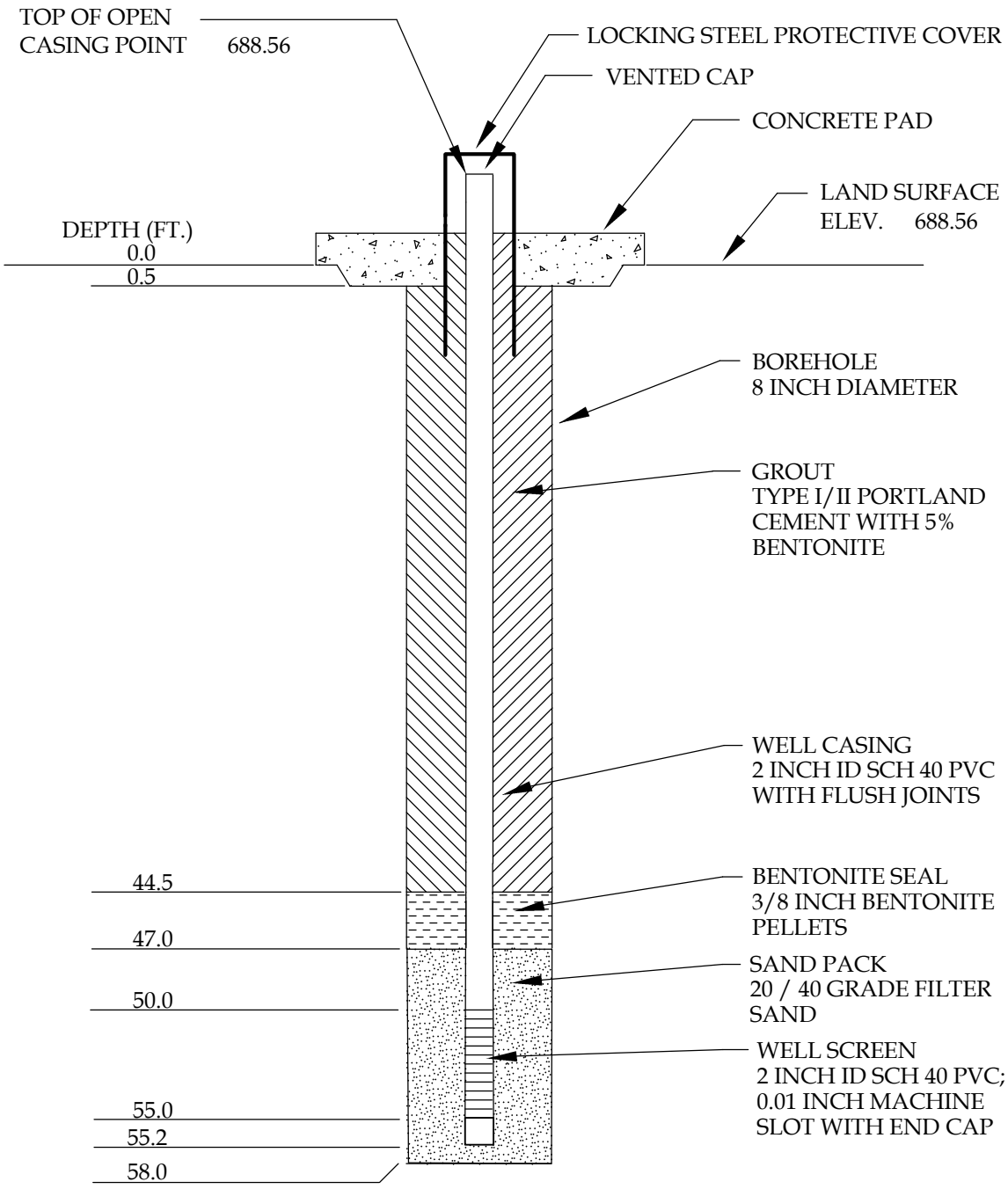


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-21
DATE INSTALLED	4/24/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

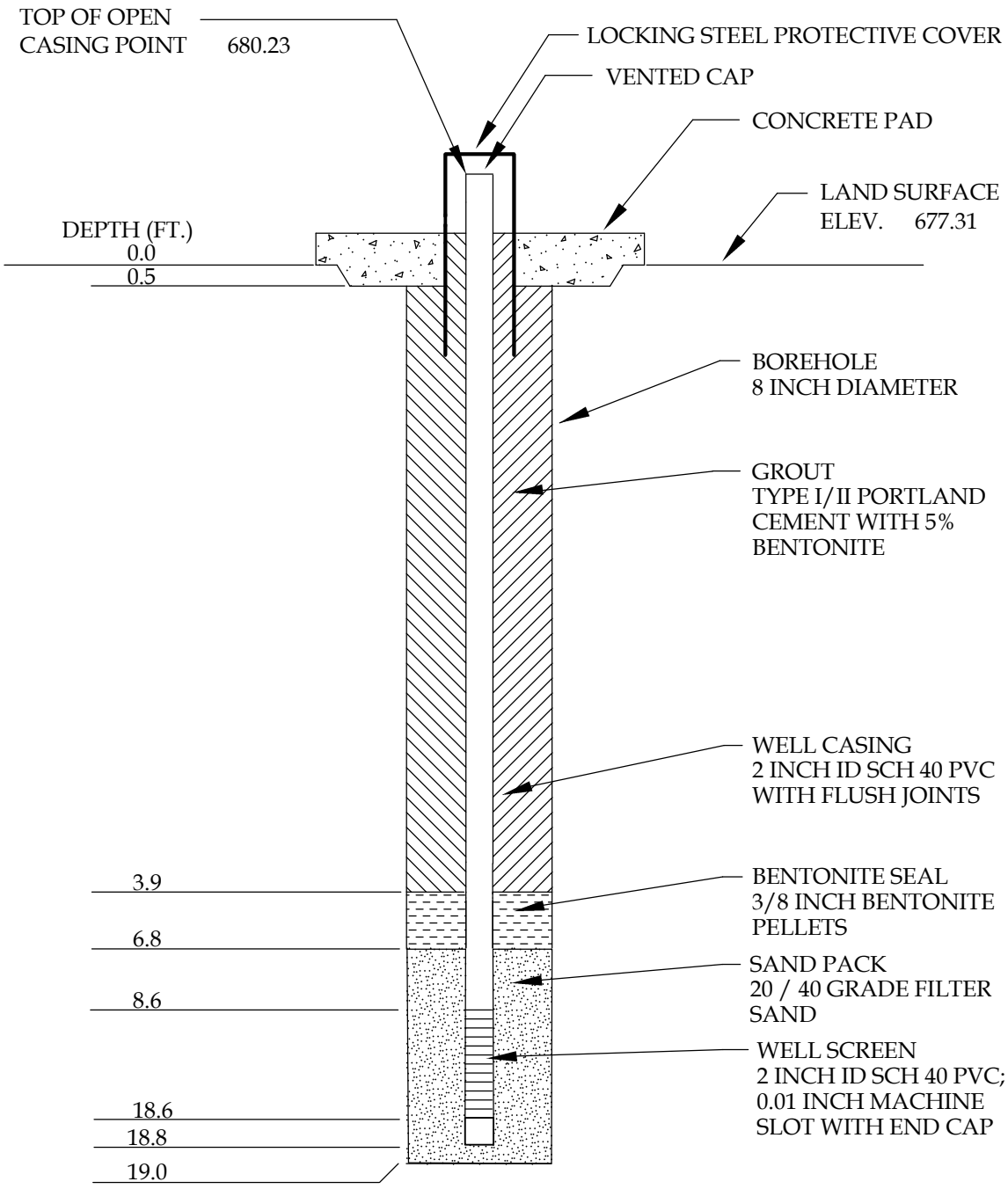


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-21A
DATE INSTALLED	4/24/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

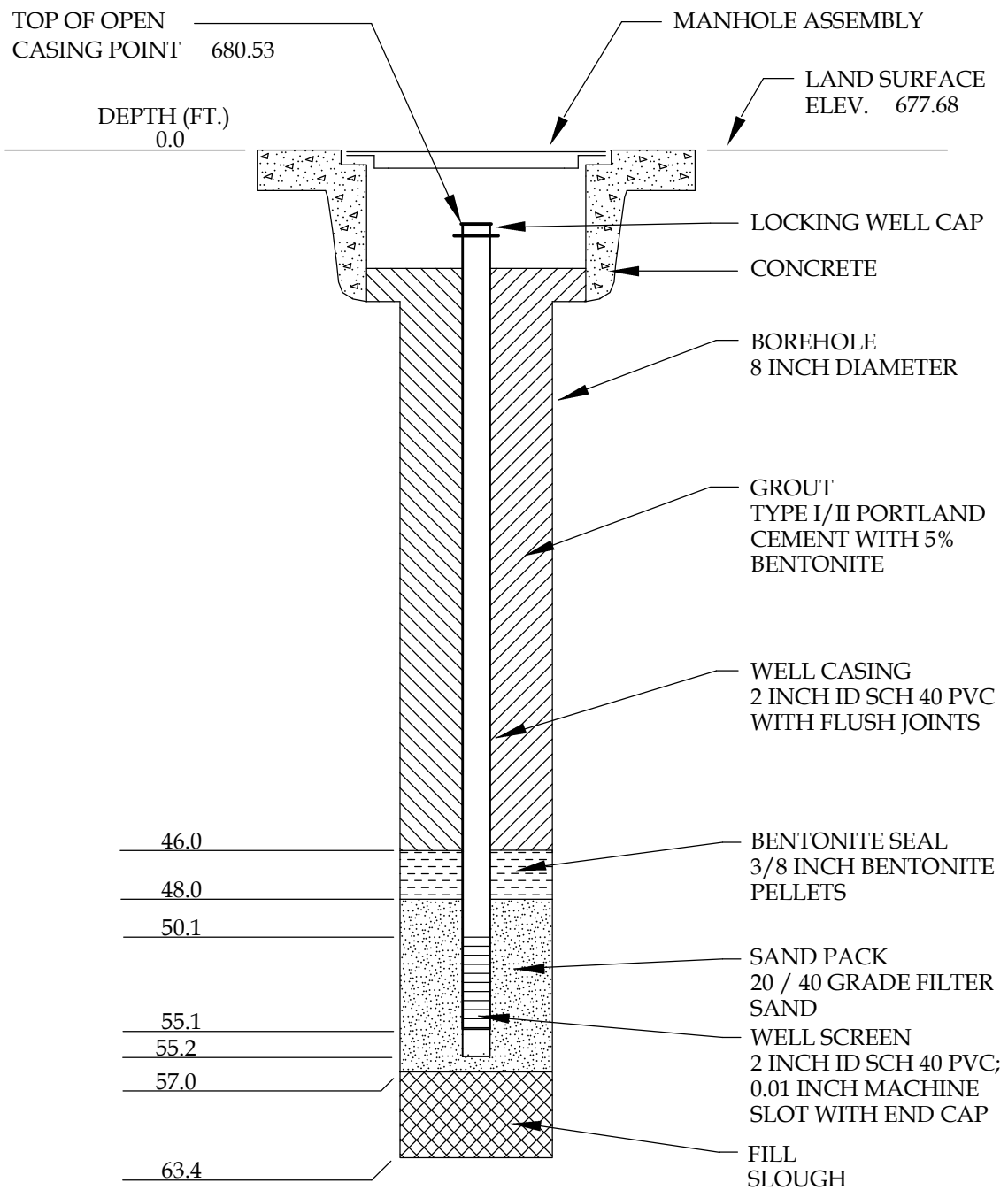


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-22
DATE INSTALLED	4/3/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00M00C/MW00MF0C

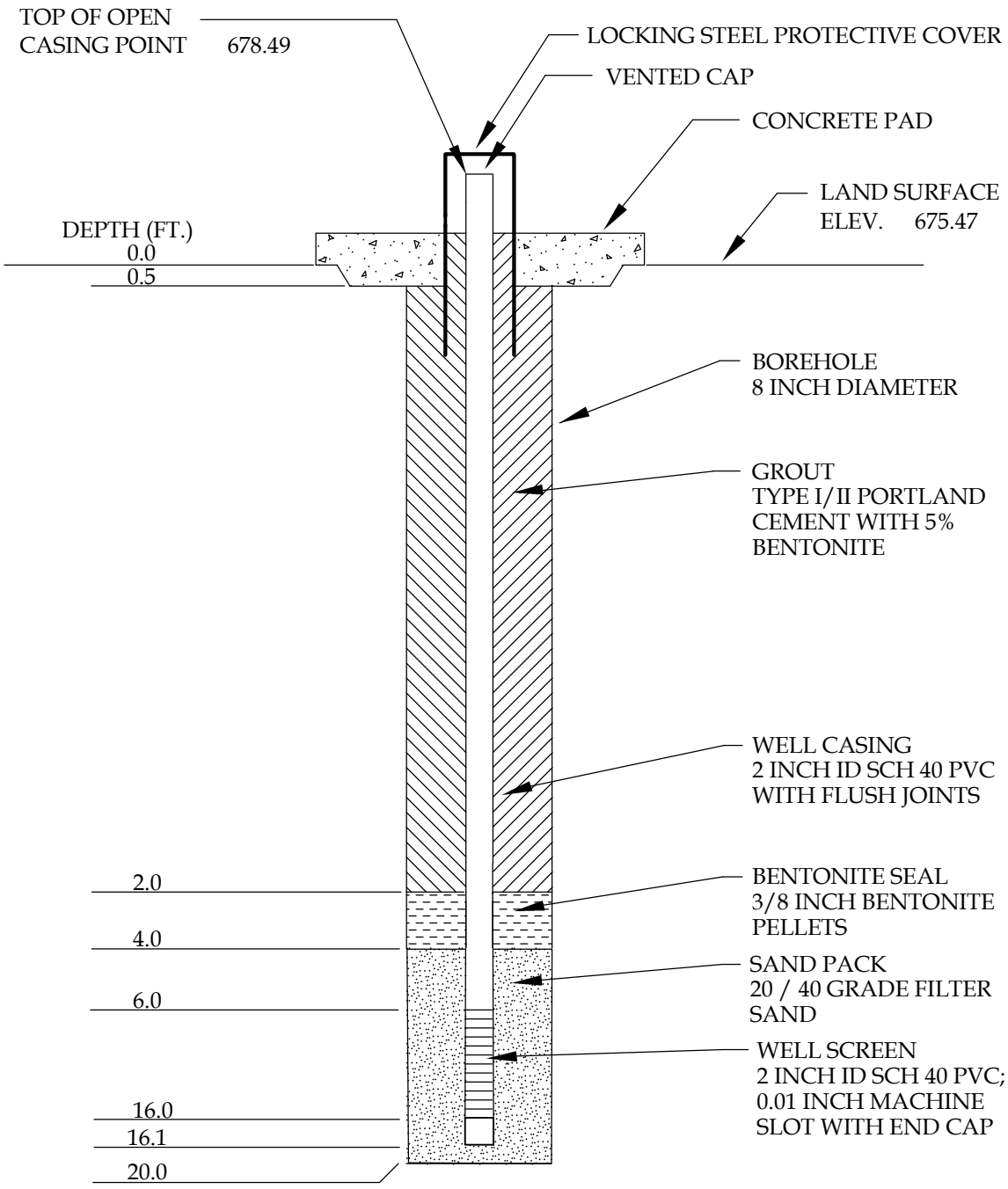


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-22A
DATE INSTALLED	4/4/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

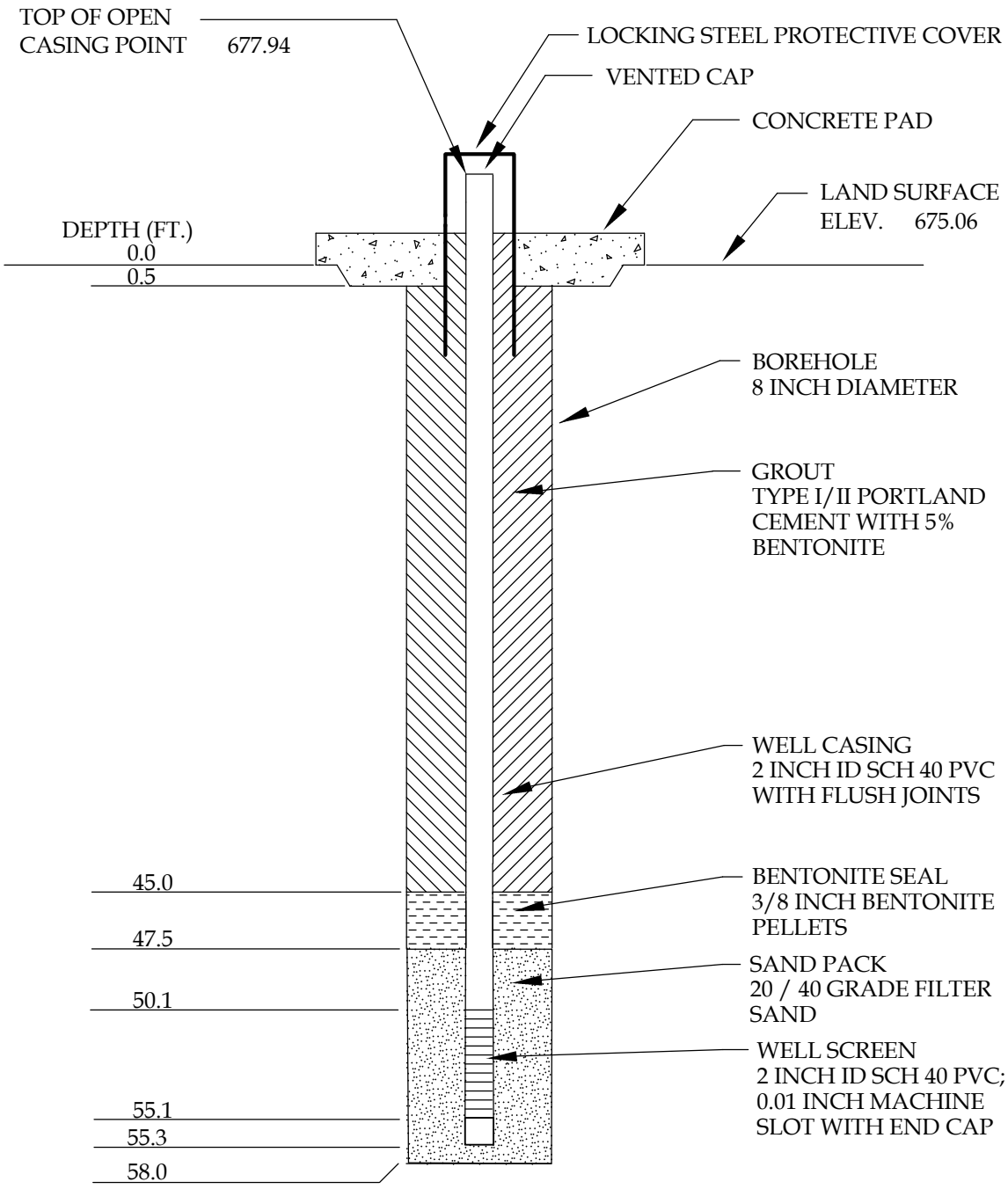


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-23
DATE INSTALLED	4/30/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

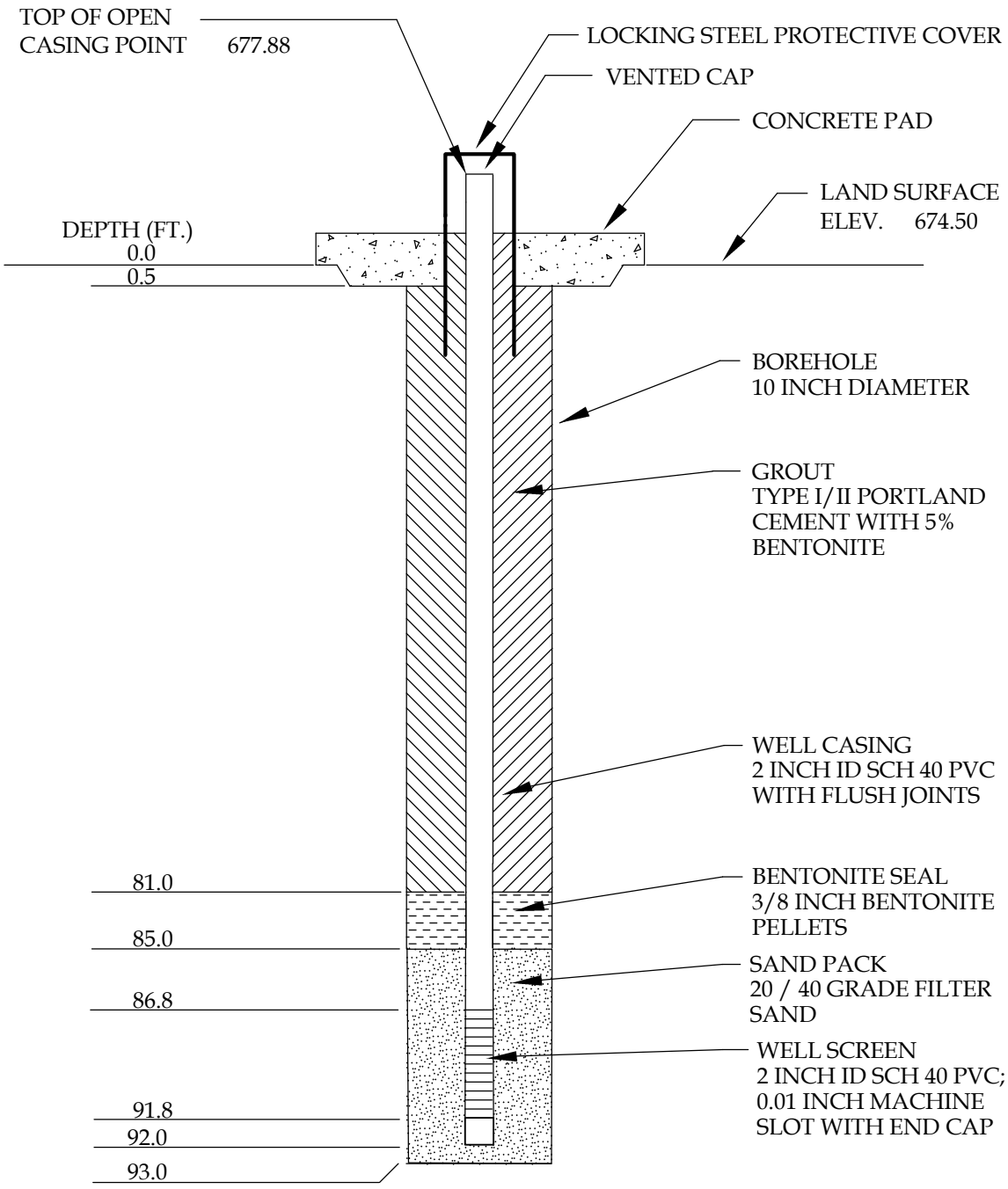


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-23A
DATE INSTALLED	4/29/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

/WEL-DIA/MW00000C/MW0000BC

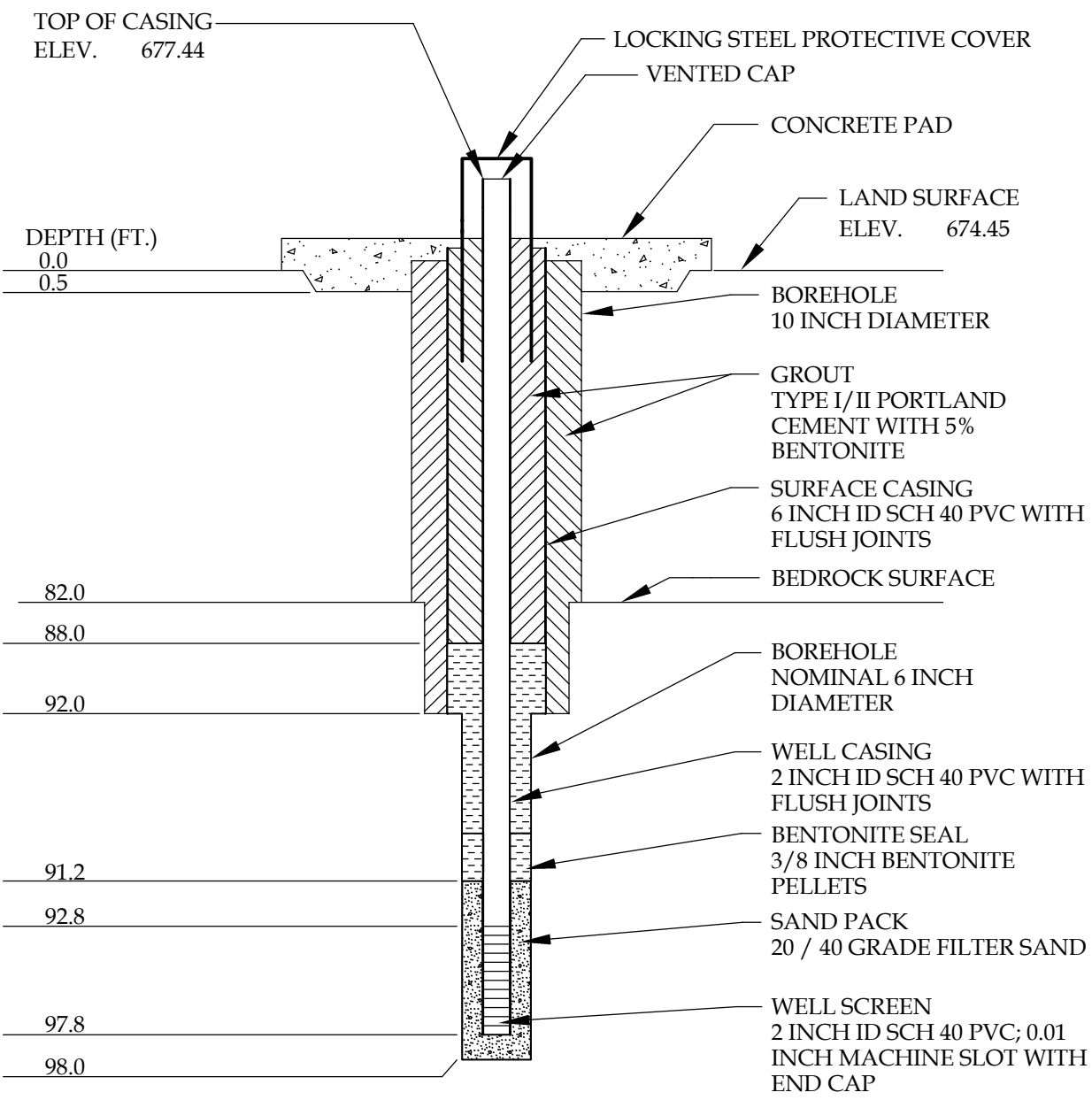


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-23B
DATE INSTALLED	6/4/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Michelle Hays

MWSINGLECASING

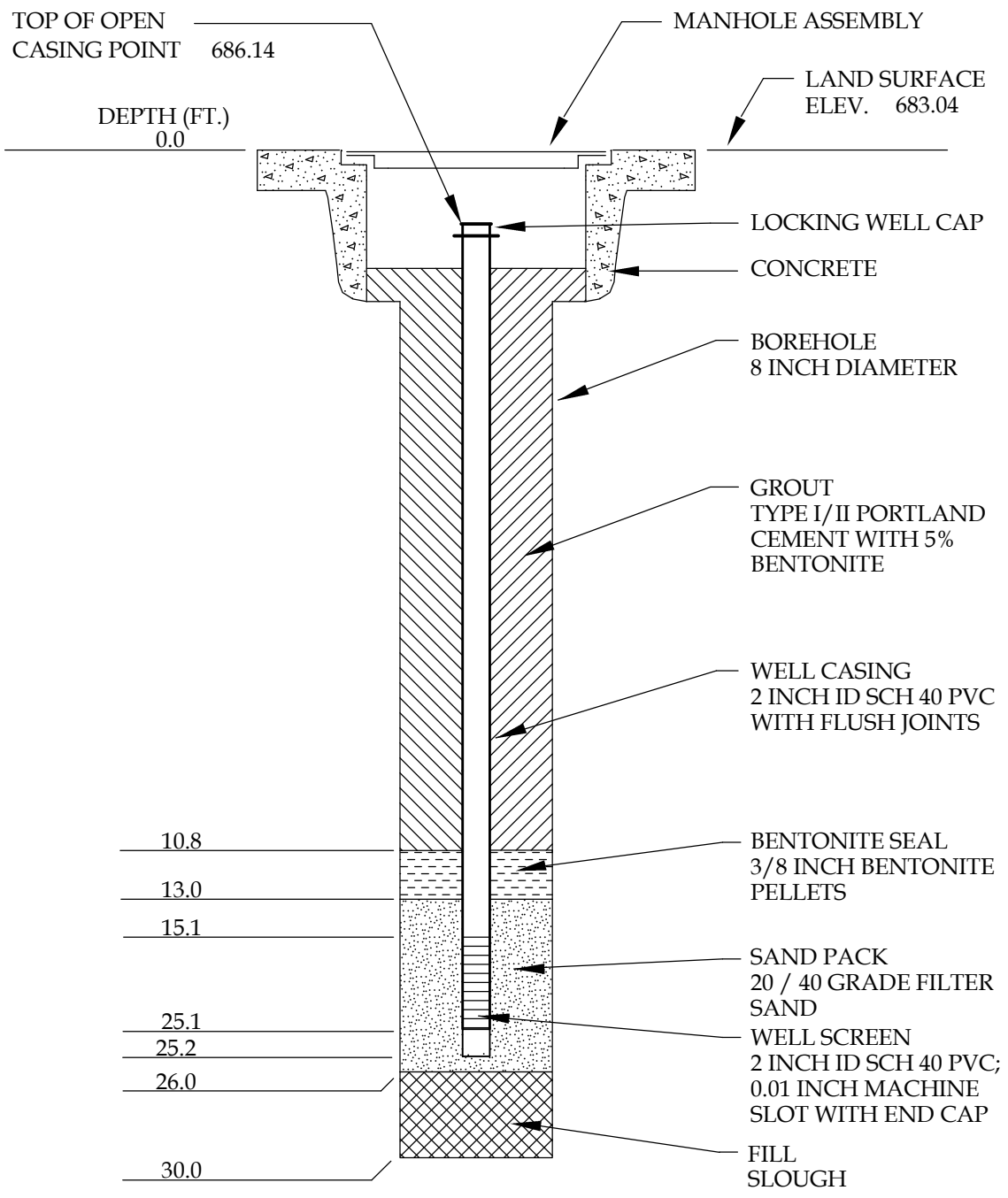


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-23C
DATE INSTALLED	5/27/14
DRILLING CONTRACTOR	Tommy Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Murphy Doty/Michelle Hays

/WEL-DIA/MW00M00C/MW00MF0C

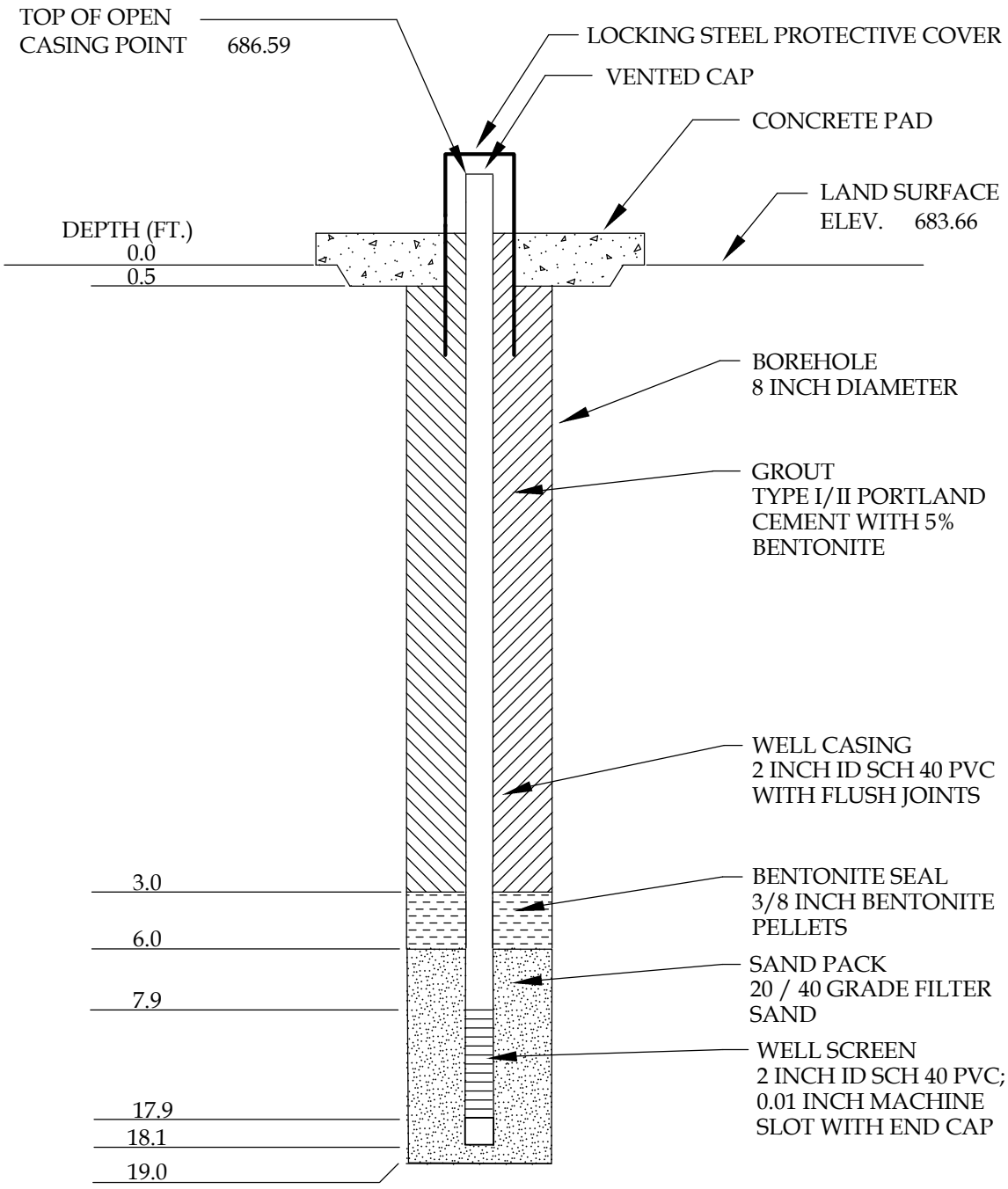


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-24
DATE INSTALLED	4/2/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC

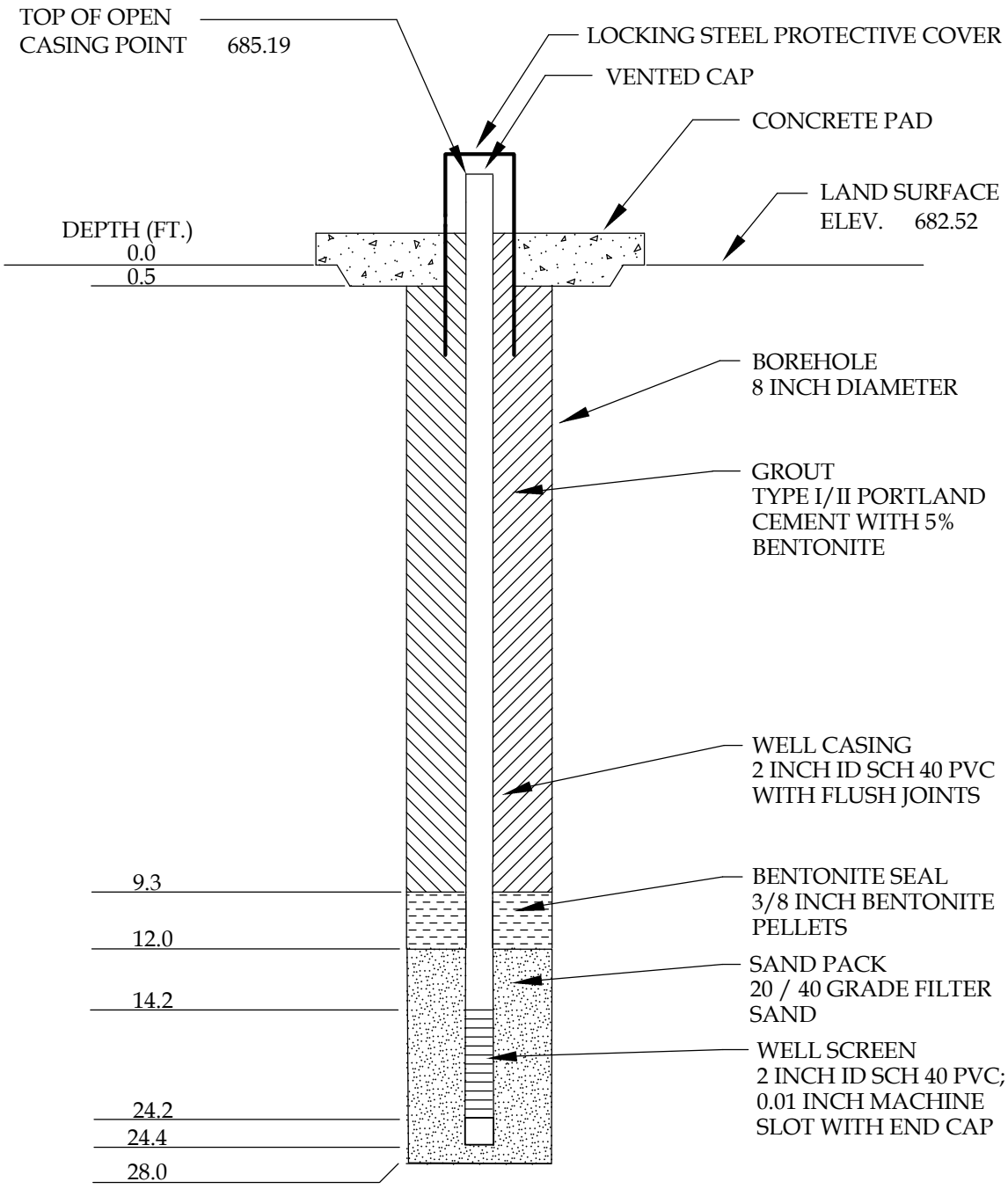


WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-25
DATE INSTALLED	4/3/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

/WEL-DIA/MW00000C/MW0000BC



WELL CONSTRUCTION DIAGRAM

Not To Scale

PROJECT	Former WPH Site, Clemson, South Carolina
PROJECT NO.	208464.0.0.1
WELL NO.	RMW-26
DATE INSTALLED	4/14/14
DRILLING CONTRACTOR	Brett Burnett/AE Drilling Services, LLC
TRC GEOLOGIST	Zach Rayburn

Appendix C
Investigation-derived Waste (IDW) Disposal Manifests

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number:
2. Page 1 of: 1
3. Emergency Response Phone: (803) 957-9175
4. Waste Tracking Number: 34332

GENERATOR

5. Generator's Name and Mailing Address:
WESTPOINT HOME LLC
523 FOB JAMES DRIVE, VALLY, AL 36854
Generator's Phone: 334-756-5541

Generator's Site Address (if different than mailing address):
500 WEST CHERRY ROAD
SENECA, SC

6. Transporter 1 Company Name: A&D ENVIRONMENTAL SERVICES (SC), LLC
U.S. EPA ID Number: SCD987598331

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
ANDERSON REGIONAL LANDFILL
203 LANDFILL ROAD, BELTON, SC 29627
Facility's Phone: 864-338-1815
U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-HAZARDOUS SOIL CUTTINGS/SOIL	1	CM	5	T	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

1. PROFILE #ARL-14-016
2. A&D PROJECT #14157

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: L.E. LANIER
Signature:
Month: 5 Day: 1 Year: 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Alan Gilstrap
Signature:
Month: 5 Day: 6 Year: 14

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY TO GENERATOR

A & D JOB # 8916

ROLL-OFF BOX # AD-19-OT

TRACTOR # 5-201

DRIVER SIGNATURE Alan Rikstrafl

A & D ENVIRONMENTAL SERVICES (SC), LLC

1741 Calks Ferry Road
Lexington, SC 29073
(803) 957-9175
Fax (803) 892-1225

255 Service Bay Road
Mauldin, SC 29662
(864) 234-0055
Fax (864) 234-3090

1915 Brentwood Street
High Point, NC 27260
(336) 882-8000

Nº 0815

PICK-UP INFORMATION	DELIVERY INFORMATION
Date: _____ Time: _____ AM / PM	Date: _____ Time: _____ AM / PM
Shipper: TRC / WPH	Consignee: Dave
P/U City - St. Seneca, SC	Del. City - St. _____
Signature Dan Sitton for WPH	Signature _____
Empty ☐ Loaded ☐	Box Dropped: _____
Replaced with Box # _____	Box Returned to: _____

Indicate below any damage done to roll-off box by circling that portion on the drawing below.

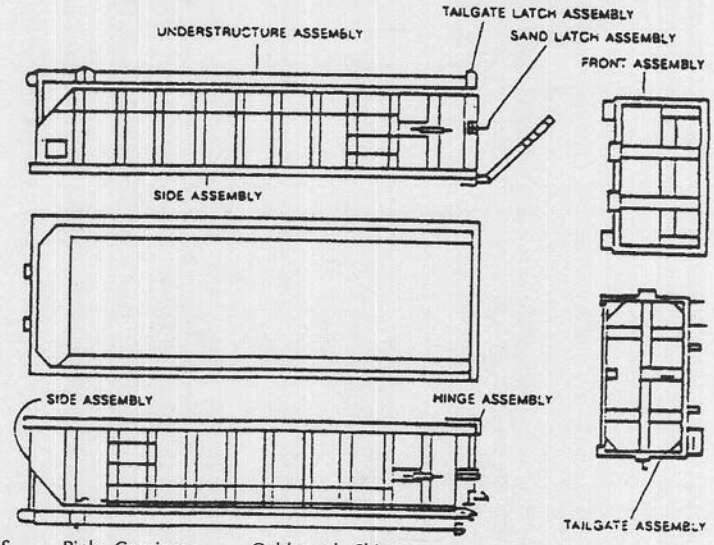
Conditions of Tarp: ok

Conditions of Bows:

2-bow broken

No. Bows: _____

No. Straps: _____



White - NIS Yellow - NIS Pink - Consignee Goldenrod - Shipper

A & D SHALL NOT BE HELD LIABLE FOR FINES AND PENALTIES DUE TO OVERWEIGHT LOADS.

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (803) 957-9175	4. Waste Tracking Number 34333

GENERATOR

5. Generator's Name and Mailing Address
WESTPOINT HOME LLC
523 FOB JAMES DRIVE, VALLY, AL 36854
Generator's Phone: 334-756-5541

Generator's Site Address (if different than mailing address)
500 WEST CHERRY ROAD
SENECA, SC

6. Transporter 1 Company Name: A&D ENVIRONMENTAL SERVICES (SC), LLC — U.S. EPA ID Number: SCD987598331

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
ANDERSON REGIONAL LANDFILL
203 LANDFILL ROAD, BELTON, SC 29627
Facility's Phone: 864-338-1815
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-HAZARDOUS SOIL CUTTINGS/SOIL	1	CM	18	T	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

1. PROFILE #ARL-14-016
2. A&D PROJECT #14157

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: L.E. LANIER — Signature — Month 5 Day 1 Year 14

INTL

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Alan Gilstrap — Signature — Month 5 Day 6 Year 14

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

17b. Alternate Facility (or Generator) — Manifest Reference Number: — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY TO GENERATOR

A & D JOB # AD-18-DT

ROLL-OFF BOX # 88162

TRACTOR # 5-201

DRIVER SIGNATURE [signature]

A & D ENVIRONMENTAL SERVICES (SC), LLC

1741 Calks Ferry Road
Lexington, SC 29073
(803) 957-9175
Fax (803) 892-1225

255 Service Bay Road
Mauldin, SC 29662
(864) 234-0055
Fax (864) 234-3090

1915 Brentwood Street
High Point, NC 27260
(336) 882-8000

Nº 0816

PICK-UP INFORMATION	DELIVERY INFORMATION
Date: 5-6-14 Time: _____ AM / PM	Date: _____ Time: _____ AM / PM
Shipper: TRC / WPH	Consignee: Acme
P/U City - St. Seneca, SC	Del. City - St. _____
Signature [signature]	Signature _____
Empty ☐ Loaded ☐	Box Dropped: _____
Replaced with Box # _____	Box Returned to: _____

Indicate below any damage done to roll-off box by circling that portion on the drawing below.

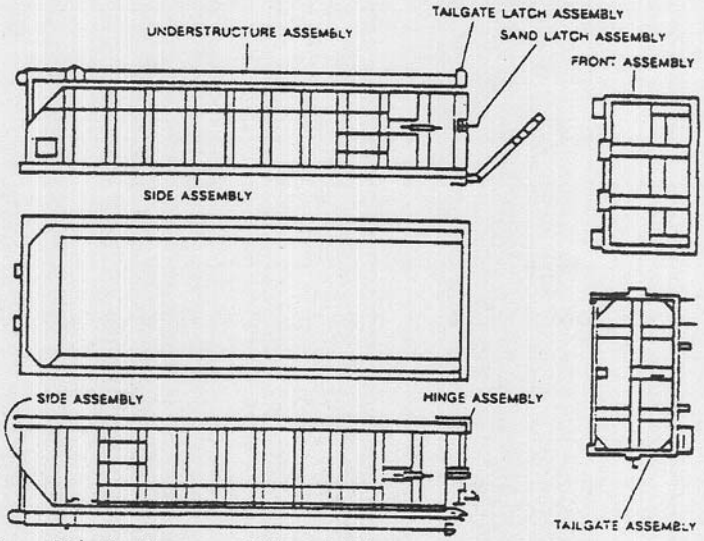
Conditions of Tarp: ok

Conditions of Bows:

2 broken bows

No. Bows: ok

No. Straps: ok



White - NIS Yellow - NIS Pink - Consignee Goldenrod - Shipper

A & D SHALL NOT BE HELD LIABLE FOR FINES AND PENALTIES DUE TO OVERWEIGHT LOADS.

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	(803) 957-9175	34333 2

GENERATOR

5. Generator's Name and Mailing Address
WESTPOINT HOME LLC
523 FOB JAMES DRIVE, VALLY, AL 36854
Generator's Phone: 334-756-5541

Generator's Site Address (if different than mailing address)
500 WEST CHERRY ROAD
SENECA, SC

8. Transporter 1 Company Name: A&D ENVIRONMENTAL SERVICES (SC), LLC
U.S. EPA ID Number: SCD987598331

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ANDERSON REGIONAL LANDFILL
203 LANDFILL ROAD, BELTON, SC 29627
Facility's Phone: 864-338-1815

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-HAZARDOUS SOIL CUTTINGS/SOIL	1	CM	20,000	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

1. PROFILE #ARL-14-016
2. A&D PROJECT #14157

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: L. E. LANIER
Signature: L. E. Lanier
Month: 5 Day: 1 Year: 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Alan Gilstrap
Signature:
Month: 5 Day: 28 Year: 14

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY TO GENERATOR

A&D Environmental Services — Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number	Page 1 of	Emergency Response Phone	Tracking Number
14157				31483

Generator's Name and Mailing Address
West Point Home LLC
523 Fob James Drive
Valley, AL 36854

Generator's site address (if different from mailing address)
500 West Cherry Road
Seneca, SC

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services, Inc.** — US EPA ID No: **NCD986232221**

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services (SC), LLC** — US EPA ID No: **SCD987598331**

☐ Designated Facility	☐ Designated Facility	☐ Designated Facility	☒ Designated Facility
A&D Environmental Services, Inc. 2718 Uwharrie Road Archdale, NC 27263 336-434-7750 NCD986232221	**A&D Environmental Services, Inc.** 3149 Lear Drive Burlington, NC 27215 336-229-0058 NCR000138628	**A&D Environmental Services (SC), LLC** 1741 Calks Ferry Road Lexington, SC 29073 803-957-9175 SCD987598331	**A&D Environmental Services (SC), LLC** 1321 White Horse Road, Suite C Greenville, SC 29605 864-234-6055

HM	Hazardous Materials Shipping Name and Description (if applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non-Hazardous, Non-Regulated Liquids	001	TT	1372	G	42814WPH-L

	Petroleum Products for Recycle		No.	Type	QTY	Wt/Vol	Profile Number
X	NA1993, Diesel fuel, 3, III	ERG# 128					
X	NA1993, Fuel oil (No.1,2,4,5 or 6), 3, III	ERG# 128					
X	UN1203, Gasoline, 3, II	ERG# 128					
	USED OIL (Not a USDOT Hazardous Material)						
	Petroleum Contact Water (Not a USDOT Hazardous Material)						

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle

HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (if applicable)		Common Name	Discrepancy
X					RQ, UN2809, Mercury contained in manufactured articles, 8, III	ERG# 172	Mercury Containing Articles	
X					RQ, UN3432, Polychlorinated biphenyls, solid, 9, II	ERG# 171	TSCA Exempt PCB Lamp Ballasts	
X					UN2800, Batteries, wet, nonspillable, 8, III	ERG# 154	Sealed Lead Acid Batteries	
X					UN2794, Batteries, wet, filled with acid, 8, III	ERG# 154	Lead Acid Batteries	
X					UN2795, Batteries, wet, filled with alkali, 8, III	ERG# 154	Wet NiCad Batteries	
X					UN3090, Lithium batteries, 9, II	ERG# 138	Lithium Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III	ERG# 154	Alkaline Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III	ERG# 154	NiCad Batteries	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)		Fluorescent lamps 4' or <	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)		Fluorescent lamps 4'	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)		Circular/U-tube lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)		Compact Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)		Shattershield	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)		HID/MV/UV Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)		Incandescent Lamps	
					Non-PCB Light Ballasts for Recycle (Not DOT-Regulated)		Non-PCB Light Ballasts	
					Electronic Equipment for Recycle (Not DOT-Regulated)		Electronics	

Generator's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40CFR Part 261 or any applicable state law, and unless specifically identified above the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (≥50ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
L. E. LANIER	L. E. Lanier	5	1	14
Transporter 1 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
Shane P. Florian		5	2	14
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**

Discrepancy Indication / Additional Information:

Designated Facility Certification: I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy indicated above.

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY TO GENERATOR

A&D Environmental Services — Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number	Page 1 of	Emergency Response Phone	Tracking Number
14157				31483-2

Generator's Name and Mailing Address
West Point Home LLC
523 Fob James Drive
Valley, AL 36854

Generator's site address (if different from mailing address)
500 West Cherry Road
Seneca, SC

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services, Inc.** — US EPA ID No: **NCD986232221**

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services (SC), LLC** — US EPA ID No: **SCD987598331**

☐ Designated Facility	☐ Designated Facility	☐ Designated Facility	☒ Designated Facility
A&D Environmental Services, Inc. 2718 Uwharrie Road Archdale, NC 27263 336-434-7750 NCD986232221	**A&D Environmental Services, Inc.** 3149 Lear Drive Burlington, NC 27215 336-229-0058 NCR000138628	**A&D Environmental Services (SC), LLC** 1741 Calks Ferry Road Lexington, SC 29073 803-957-9175 SCD987598331	**A&D Environmental Services (SC), LLC** 1321 White Horse Road, Suite C Greenville, SC 29605 864-234-6055

HM	Hazardous Materials Shipping Name and Description (if applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non-Hazardous, Non-Regulated Liquids	001	TT	1,000	G	42814WPH-L

	Petroleum Products for Recycle	No.	Type	QTY	Wt/Vol	Profile Number
X	NA1993, Diesel fuel, 3, III ERG# 128					
X	NA1993, Fuel oil (No.1,2,4,5 or 6), 3, III ERG# 128					
X	UN1203, Gasoline, 3, II ERG# 128					
	USED OIL (Not a USDOT Hazardous Material)					
	Petroleum Contact Water (Not a USDOT Hazardous Material)					

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle

HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (if applicable)	Common Name	Discrepancy
X					RQ, UN2809, Mercury contained in manufactured articles, 8, III ERG# 172	Mercury Containing Articles	
X					RQ, UN3432, Polychlorinated biphenyls, solid, 9, II ERG# 171	TSCA Exempt PCB Lamp Ballasts	
X					UN2800, Batteries, wet, nonspillable, 8, III ERG# 154	Sealed Lead Acid Batteries	
X					UN2794, Batteries, wet, filled with acid, 8, III ERG# 154	Lead Acid Batteries	
X					UN2795, Batteries, wet, filled with alkali, 8, III ERG# 154	Wet NiCad Batteries	
X					UN3090, Lithium batteries, 9, II ERG# 138	Lithium Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	Alkaline Batteries	
					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	NiCad Batteries	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4' or <	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4'	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Circular/U-tube lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Compact Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Shattershield	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	HID/MV/UV Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Incandescent Lamps	
					Non-PCB Light Ballasts for Recycle (Not DOT-Regulated)	Non-PCB Light Ballasts	
					Electronic Equipment for Recycle (Not DOT-Regulated)	Electronics	

Generator's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40CFR Part 261 or any applicable state law, and unless specifically identified above the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
L.E. Lanier	L.E. Lanier	5	1	14
Transporter 1 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
Shane P. Flosian		5	16	14
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**

Discrepancy Indication / Additional Information:

Designated Facility Certification: I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy indicated above.

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY TO GENERATOR

A&D Environmental Services — Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number	Page 1 of	Emergency Response Phone	Tracking Number
14157				31483-3

Generator's Name and Mailing Address
West Point Home LLC
523 Fob James Drive
Valley, AL 36854

Generator's site address (if different from mailing address)
500 West Cherry Road
Seneca, SC

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services, Inc.** — US EPA ID No: **NCD986232221**

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services (SC), LLC** — US EPA ID No: **SCD987598331**

☐ Designated Facility
A&D Environmental Services, Inc.
2718 Uwharrie Road
Archdale, NC 27263
336-434-7750
NCD986232221

☐ Designated Facility
A&D Environmental Services, Inc.
3149 Lear Drive
Burlington, NC 27215
336-229-0058
NCR000138628

☐ Designated Facility
A&D Environmental Services (SC), LLC
1741 Calks Ferry Road
Lexington, SC 29073
803-957-9175
SCD987598331

X Designated Facility
A&D Environmental Services (SC), LLC
1321 White Horse Road, Suite C
Greenville, SC 29605
864-234-6055

HM	Hazardous Materials Shipping Name and Description (if applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non-Hazardous, Non-Regulated Liquids	001	TT	1500	G	42814WPH-L

	Petroleum Products for Recycle	No.	Type	QTY	Wt/Vol	Profile Number
X	NA1993, Diesel fuel, 3, III ERG# 128					
X	NA1993, Fuel oil (No.1,2,4,5 or 6), 3, III ERG# 128					
X	UN1203, Gasoline, 3, II ERG# 128					
	USED OIL (Not a USDOT Hazardous Material)					
	Petroleum Contact Water (Not a USDOT Hazardous Material)					

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle

HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (if applicable)	Common Name	Discrepancy
X					RQ, UN2809, Mercury contained in manufactured articles, 8, III ERG# 172	Mercury Containing Articles	
X					RQ, UN3432, Polychlorinated biphenyls, solid, 9, II ERG# 171	TSCA Exempt PCB Lamp Ballasts	
X					UN2800, Batteries, wet, nonspillable, 8, III ERG# 154	Sealed Lead Acid Batteries	
X					UN2794, Batteries, wet, filled with acid, 8, III ERG# 154	Lead Acid Batteries	
X					UN2795, Batteries, wet, filled with alkali, 8, III ERG# 154	Wet NiCad Batteries	
X					UN3090, Lithium batteries, 9, II ERG# 138	Lithium Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	Alkaline Batteries	
					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	NiCad Batteries	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4' or <	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4'	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Circular/U-tube lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Compact Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Shattershield	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	HID/MV/UV Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Incandescent Lamps	
					Non-PCB Light Ballasts for Recycle (Not DOT-Regulated)	Non-PCB Light Ballasts	
					Electronic Equipment for Recycle (Not DOT-Regulated)	Electronics	

Generator's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40CFR Part 261 or any applicable state law, and unless specifically identified above the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
L.E. LANIER	L.E. Lanier	5	1	14
Transporter 1 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
Shane P. Flosi		5	19	14
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**

Discrepancy Indication / Additional Information:

Designated Facility Certification: I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy indicated above.

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY TO GENERATOR

A&D Environmental Services — Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number	Page 1 of	Emergency Response Phone	Tracking Number
14157				31483-4

Generator's Name and Mailing Address
West Point Home LLC
523 Fob James Drive
Valley, AL 36854

Generator's site address (if different from mailing address)
500 West Cherry Road
Seneca, SC

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services, Inc.** — US EPA ID No: **NCD986232221**

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services (SC), LLC** — US EPA ID No: **SCD987598331**

☐ Designated Facility	☐ Designated Facility	☐ Designated Facility	☒ Designated Facility
A&D Environmental Services, Inc. 2718 Uwharrie Road Archdale, NC 27263 336-434-7750 NCD986232221	**A&D Environmental Services, Inc.** 3149 Lear Drive Burlington, NC 27215 336-229-0058 NCR000138628	**A&D Environmental Services (SC), LLC** 1741 Calks Ferry Road Lexington, SC 29073 803-957-9175 SCD987598331	**A&D Environmental Services (SC), LLC** 1321 White Horse Road, Suite C Greenville, SC 29605 864-234-6055

HM	Hazardous Materials Shipping Name and Description (if applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non-Hazardous, Non-Regulated Liquids	1	TT	2450	G	42814WPH-L

	Petroleum Products for Recycle	No.	Type	QTY	Wt/Vol	Profile Number
X	NA1993, Diesel fuel, 3, III ERG# 128					
X	NA1993, Fuel oil (No.1,2,4,5 or 6), 3, III ERG# 128					
X	UN1203, Gasoline, 3, II ERG# 128					
	USED OIL (Not a USDOT Hazardous Material)					
	Petroleum Contact Water (Not a USDOT Hazardous Material)					

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle

HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (if applicable)	Common Name	Discrepancy
X					RQ, UN2809, Mercury contained in manufactured articles, 8, III ERG# 172	Mercury Containing Articles	
X					RQ, UN3432, Polychlorinated biphenyls, solid, 9, II ERG# 171	TSCA Exempt PCB Lamp Ballasts	
X					UN2800, Batteries, wet, nonspillable, 8, III ERG# 154	Sealed Lead Acid Batteries	
X					UN2794, Batteries, wet, filled with acid, 8, III ERG# 154	Lead Acid Batteries	
X					UN2795, Batteries, wet, filled with alkali, 8, III ERG# 154	Wet NiCad Batteries	
X					UN3090, Lithium batteries, 9, II ERG# 138	Lithium Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	Alkaline Batteries	
					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	NiCad Batteries	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4' or <	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4'	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Circular/U-tube lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Compact Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Shattershield	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	HID/MV/UV Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Incandescent Lamps	
					Non-PCB Light Ballasts for Recycle (Not DOT-Regulated)	Non-PCB Light Ballasts	
					Electronic Equipment for Recycle (Not DOT-Regulated)	Electronics	

Generator's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40CFR Part 261 or any applicable state law, and unless specifically identified above the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
L. E. LANIER	L. E. Lanier	5	1	14
Transporter 1 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
Luis Ocampo	Luis	5	22	14
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**

Discrepancy Indication / Additional Information:

Designated Facility Certification: I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy indicated above.

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY TO GENERATOR

A&D Environmental Services — Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number	Page 1 of	Emergency Response Phone	Tracking Number
14157				31483-5

Generator's Name and Mailing Address
West Point Home LLC
523 Fob James Drive
Valley, AL 36854

Generator's site address (if different from mailing address)
500 West Cherry Road
Seneca, SC

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services, Inc.** — US EPA ID No: **NCD986232221**

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services (SC), LLC** — US EPA ID No: **SCD987598331**

☐ Designated Facility	☐ Designated Facility	☐ Designated Facility	☒ Designated Facility
A&D Environmental Services, Inc. 2718 Uwharrie Road Archdale, NC 27263 336-434-7750 NCD986232221	**A&D Environmental Services, Inc.** 3149 Lear Drive Burlington, NC 27215 336-229-0058 NCR000138628	**A&D Environmental Services (SC), LLC** 1741 Calks Ferry Road Lexington, SC 29073 803-957-9175 SCD987598331	**A&D Environmental Services (SC), LLC** 1321 White Horse Road, Suite C Greenville, SC 29605 864-234-6055

HM	Hazardous Materials Shipping Name and Description (if applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non-Hazardous, Non-Regulated Liquids	1	TT	2591	G	42814WPH-L

	Petroleum Products for Recycle		No.	Type	QTY	Wt/Vol	Profile Number
X	NA1993, Diesel fuel, 3, III	ERG# 128					
X	NA1993, Fuel oil (No.1,2,4,5 or 6), 3, III	ERG# 128					
X	UN1203, Gasoline, 3, II	ERG# 128					
	USED OIL (Not a USDOT Hazardous Material)						
	Petroleum Contact Water (Not a USDOT Hazardous Material)						

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle

HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (if applicable)	Common Name	Discrepancy
X					RQ, UN2809, Mercury contained in manufactured articles, 8, III ERG# 172	Mercury Containing Articles	
X					RQ, UN3432, Polychlorinated biphenyls, solid, 9, II ERG# 171	TSCA Exempt PCB Lamp Ballasts	
X					UN2800, Batteries, wet, nonspillable, 8, III ERG# 154	Sealed Lead Acid Batteries	
X					UN2794, Batteries, wet, filled with acid, 8, III ERG# 154	Lead Acid Batteries	
X					UN2795, Batteries, wet, filled with alkali, 8, III ERG# 154	Wet NiCad Batteries	
X					UN3090, Lithium batteries, 9, II ERG# 138	Lithium Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	Alkaline Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	NiCad Batteries	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4' or <	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4'	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Circular/U-tube lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Compact Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Shattershield	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	HID/MV/UV Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Incandescent Lamps	
					Non-PCB Light Ballasts for Recycle (Not DOT-Regulated)	Non-PCB Light Ballasts	
					Electronic Equipment for Recycle (Not DOT-Regulated)	Electronics	

Generator's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40CFR Part 261 or any applicable state law, and unless specifically identified above the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (25ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
L.E. LANIER	L.E. Lanier	5	1	14
Transporter 1 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
Luis Ocampo	Luis Ocampo	6	02	14
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**

Discrepancy Indication / Additional Information:

Designated Facility Certification: I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy indicated above.

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY TO GENERATOR

A&D Environmental Services — Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number	Page 1 of	Emergency Response Phone	Tracking Number
14157				31483-6

Generator's Name and Mailing Address
West Point Home LLC
523 Fob James Drive
Valley, AL 36854

Generator's site address (if different from mailing address)
500 West Cherry Road
Seneca, SC

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services, Inc.** — US EPA ID No: **NCD986232221**

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services (SC), LLC** — US EPA ID No: **SCD987598331**

☐ Designated Facility	☐ Designated Facility	☐ Designated Facility	☒ Designated Facility
A&D Environmental Services, Inc. 2718 Uwharrie Road Archdale, NC 27263 336-434-7750 NCD986232221	A&D Environmental Services, Inc. 3149 Lear Drive Burlington, NC 27215 336-229-0058 NCR000138628	A&D Environmental Services (SC), LLC 1741 Calks Ferry Road Lexington, SC 29073 803-957-9175 SCD987598331	A&D Environmental Services (SC), LLC 1321 White Horse Road, Suite C Greenville, SC 29605 864-234-6055

HM	Hazardous Materials Shipping Name and Description (if applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non-Hazardous, Non-Regulated Liquids	1	TT	1200	G	42814WPH-L

	Petroleum Products for Recycle		No.	Type	QTY	Wt/Vol	Profile Number
X	NA1993, Diesel fuel, 3, III	ERG# 128					
X	NA1993, Fuel oil (No.1,2,4,5 or 6), 3, III	ERG# 128					
X	UN1203, Gasoline, 3, II	ERG# 128					
	USED OIL (Not a USDOT Hazardous Material)						
	Petroleum Contact Water (Not a USDOT Hazardous Material)						

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle

HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (if applicable)	Common Name	Discrepancy
X					RQ, UN2809, Mercury contained in manufactured articles, 8, III ERG# 172	Mercury Containing Articles	
X					RQ, UN3432, Polychlorinated biphenyls, solid, 9, II ERG# 171	TSCA Exempt PCB Lamp Ballasts	
X					UN2800, Batteries, wet, nonspillable, 8, III ERG# 154	Sealed Lead Acid Batteries	
X					UN2794, Batteries, wet, filled with acid, 8, III ERG# 154	Lead Acid Batteries	
X					UN2795, Batteries, wet, filled with alkali, 8, III ERG# 154	Wet NiCad Batteries	
X					UN3090, Lithium batteries, 9, II ERG# 138	Lithium Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	Alkaline Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	NiCad Batteries	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Fluorescent lamps 4' or <	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Fluorescent lamps 4'	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Circular/U-tube lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Compact Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Shatershield	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	HID/MV/UV Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Incandescent Lamps	
					Non-PCB Light Ballasts for Recycle (Not DOT-Regulated)	Non-PCB Light Ballasts	
					Electronic Equipment for Recycle (Not DOT-Regulated)	Electronics	

Generator's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40CFR Part 261 or any applicable state law, and unless specifically identified above the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (25ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
L. E. LANIER	L E Lanier	5	1	14
Transporter 1 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
Terry Green	Terry Green	6	6	14
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**

Discrepancy Indication / Additional Information:

Designated Facility Certification: I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy indicated above.

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY TO GENERATOR

A&D Environmental Services — Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number	Page 1 of	Emergency Response Phone	Tracking Number
14157				31483-7

Generator's Name and Mailing Address
West Point Home LLC
523 Fob James Drive
Valley, AL 36854

Generator's site address (if different from mailing address)
500 West Cherry Road
Seneca, SC

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services, Inc.** — US EPA ID No: **NCD986232221**

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services (SC), LLC** — US EPA ID No: **SCD987598331**

☐ Designated Facility	☐ Designated Facility	☐ Designated Facility	☒ Designated Facility
A&D Environmental Services, Inc. 2718 Uwharrie Road Archdale, NC 27263 336-434-7750 NCD986232221	**A&D Environmental Services, Inc.** 3149 Lear Drive Burlington, NC 27215 336-229-0058 NCR000138628	**A&D Environmental Services (SC), LLC** 1741 Calks Ferry Road Lexington, SC 29073 803-957-9175 SCD987598331	**A&D Environmental Services (SC), LLC** 1321 White Horse Road, Suite C Greenville, SC 29605 864-234-6055

HM	Hazardous Materials Shipping Name and Description (if applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non-Hazardous, Non-Regulated Liquids	001	TT	1500	G	42814WPH-L

	Petroleum Products for Recycle	No.	Type	QTY	Wt/Vol	Profile Number
X	NA1993, Diesel fuel, 3, III ERG# 128					
X	NA1993, Fuel oil (No.1,2,4,5 or 6), 3, III ERG# 128					
X	UN1203, Gasoline, 3, II ERG# 128					
	USED OIL (Not a USDOT Hazardous Material)					
	Petroleum Contact Water (Not a USDOT Hazardous Material)					

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle

HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (if applicable)	Common Name	Discrepancy
X					RQ, UN2809, Mercury contained in manufactured articles, 8, III ERG# 172	Mercury Containing Articles	
X					RQ, UN3432, Polychlorinated biphenyls, solid, 9, II ERG# 171	TSCA Exempt PCB Lamp Ballasts	
X					UN2800, Batteries, wet, nonspillable, 8, III ERG# 154	Sealed Lead Acid Batteries	
X					UN2794, Batteries, wet, filled with acid, 8, III ERG# 154	Lead Acid Batteries	
X					UN2795, Batteries, wet, filled with alkali, 8, III ERG# 154	Wet NiCad Batteries	
X					UN3090, Lithium batteries, 9, II ERG# 138	Lithium Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	Alkaline Batteries	
					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	NiCad Batteries	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4' or <	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4'	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Circular/U-tube lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Compact Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Shattershield	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	HID/MV/UV Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Incandescent Lamps	
					Non-PCB Light Ballasts for Recycle (Not DOT-Regulated)	Non-PCB Light Ballasts	
					Electronic Equipment for Recycle (Not DOT-Regulated)	Electronics	

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Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
L.E. LANIER	L.E. Lanier	5	1	14
Transporter 1 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
Cory L Dennis	Cory L Dennis	5	14	14
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**

Discrepancy Indication / Additional Information:

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Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY TO GENERATOR

A&D Environmental Services — Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number	Page 1 of	Emergency Response Phone	Tracking Number
14157				31483-1

Generator's Name and Mailing Address
West Point Home LLC
523 Fob James Drive
Valley, AL 36854

Generator's site address (if different from mailing address)
500 West Cherry Road
Seneca, SC

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services, Inc.** — US EPA ID No: **NCD986232221**

Transporter 1 ☐ 2 ☐ Company Name: **A&D Environmental Services (SC), LLC** — US EPA ID No: **SCD987598331**

☐ Designated Facility	☐ Designated Facility	☐ Designated Facility	☒ Designated Facility
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HM	Hazardous Materials Shipping Name and Description (if applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non-Hazardous, Non-Regulated Liquids	001	TT	2214	G	42814WPH-L

	Petroleum Products for Recycle		No.	Type	QTY	Wt/Vol	Profile Number
X	NA1993, Diesel fuel, 3, III	ERG# 128					
X	NA1993, Fuel oil (No.1,2,4,5 or 6), 3, III	ERG# 128					
X	UN1203, Gasoline, 3, II	ERG# 128					
	USED OIL (Not a USDOT Hazardous Material)						
	Petroleum Contact Water (Not a USDOT Hazardous Material)						

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle

HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (if applicable)	Common Name	Discrepancy
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X					UN3090, Lithium batteries, 9, II ERG# 138	Lithium Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	Alkaline Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	NiCad Batteries	
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					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Compact Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Shattershield	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	HID/MV/UV Lamps	
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Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
L. E. LANIER	L. E. Lanier	5	1	14
Transporter 1 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
Shane R. Florian		5	13	14
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**

Discrepancy Indication / Additional Information:

Designated Facility Certification: I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy indicated above.

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY TO GENERATOR

Appendix D
Analytical Laboratory Reports

Report of Analysis

TRC Companies, Inc.
Patewood Plaza One, Suite 100
30 Patewood Drive
Greenville, SC 29615-3535
Attention: Lisa Clark

Project Name: WPH Clemson

Project Number: 208464.0002.0000

Lot Number: PG12004

Date Completed: 07/21/2014

Date Revised: 07/21/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* P G 1 2 0 0 4 *

7/29/14 WPH-CLEMSON 208464.2.0

LAB REPORT RG12004

DATA QUALITY REVIEW

CHAINS-OF-CUSTODY - SIGNED

SAMPLE TEMPERATURE - OK

HOLD TIMES - OK

SURROGATES - RECOVERIES OK

METHOD BLANKS - NO DETECTIONS

TRIP BLANK (TBLK-14301) - NO DETECTIONS

FIELD BLANK (FBLK-14301) - ACETONE 25 ug/L

METHYL ACETATE 0.93 J ug/L

4-METHYL-2-PENTANONE 0.88 J ug/L

TOLUENE 4.3 J ug/L

A "U" FLAG IS ASSIGNED TO ACETONE AND TOLUENE DETECTIONS IN RMW-24.

LCS/LCSD - RECOVERIES AND RPDS OK EXCEPT AS FOLLOWS:

- TRANS-1,3-DICHLOROPROPENE RPD IN BATCH 51405 EXCEEDS QC LIMIT. THIS ANALYTE NOT DETECTED IN ASSOCIATED SAMPLES. NO FLAGS ASSIGNED.

MS/MSD - RMW-18 USED FOR MS/MSD. RECOVERIES AND RPDS OK EXCEPT AS FOLLOWS:

- HIGH RECOVERIES OF ACETONE, 2-BUTANONE AND METHYL ACETATE IN MS.
- HIGH RECOVERY OF CYCLOHEXANE IN MSD.
- HIGH RPDS FOR ACETONE, 2-BUTANONE AND METHYL ACETATE.

7/29/14 WPH-CLEMSON 208464.2.0

LAB REPORT PG12004

DATA QUALITY REVIEW

MS/MSD (CONT.) • ACETONE, 2-BUTANONE, METHYL ACETATE, AND CYCLOHEXANE ARE NOT-DETECT IN UNSPIKED SAMPLE. NO FLAGS ASSIGNED.

FIELD DUPLICATE — DU-14301 IS A FIELD DUPLICATE OF RMW-06. THE RPD FOR TETRACHLOROETHENE BETWEEN RMW-06 AND DU-14301 IS 40%.

A "j" FLAG IS ASSIGNED TO TETRACHLOROETHENE IN RMW-06 AND DU-14301.

TZH

7-29-2014

Case Narrative
TRC Companies, Inc.
Lot Number: PG12004

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

VOCs by GC/MS

Sample -007 was analyzed initially from an unpreserved VOC vial. An additional run was performed at a 5X dilution from an HCl preserved vial as it was after seven days from collection. Tetrachloroethene was the only compound reported from the second analysis.

Sample -009 was analyzed initially from an unpreserved VOC vial. An additional run was performed out of an HCl preserved vial as it was after seven days from collection. Tetrachloroethene was the only compound reported from the second analysis as there was suspected carry over during the initial analysis.

Sample -013 was initially analyzed from an unpreserved VOC vial. This run was performed at a 5X dilution due to screening results. The sample was reran from an HCl preserved vial without a dilution as there was only minimal detections in the first run. Both runs yielded similar results and second run has been reported.

The MS associated with batch 51351 recovered three compounds above method criteria. The associated sample was non-detect for these three compounds. The MSD associated with this batch recovered one compound above method criteria. The associated sample was non-detect for this compound.

The relative percent difference between the LCS/LCSD associated with batch 51405 was out of method criteria for trans-1,3-Dichloropropene. No corrective action was taken as both the LCS and LCSD recovered this compound within acceptance limits.

Sample Summary

TRC Companies, Inc.

Lot Number: PG12004

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	RMW-03	Aqueous	07/09/2014 0915	07/11/2014
002	RMW-04	Aqueous	07/09/2014 0905	07/11/2014
003	RMW-02	Aqueous	07/09/2014 1025	07/11/2014
004	RMW-21	Aqueous	07/09/2014 1030	07/11/2014
005	RMW-18	Aqueous	07/09/2014 1305	07/11/2014
006	RMW-19	Aqueous	07/09/2014 1430	07/11/2014
007	RMW-20	Aqueous	07/09/2014 1320	07/11/2014
008	RMW-07	Aqueous	07/09/2014 1405	07/11/2014
009	RMW-05	Aqueous	07/09/2014 1540	07/11/2014
010	RMW-01	Aqueous	07/09/2014 1525	07/11/2014
011	TBLK-14301	Aqueous	07/09/2014	07/11/2014
012	RMW-25	Aqueous	07/10/2014 0940	07/11/2014
013	RMW-24	Aqueous	07/10/2014 1005	07/11/2014
014	RMW-08	Aqueous	07/10/2014 1045	07/11/2014
015	RMW-09	Aqueous	07/10/2014 1110	07/11/2014
016	FBLK-14301	Aqueous	07/10/2014 1105	07/11/2014
017	RMW-26	Aqueous	07/10/2014 1335	07/11/2014
018	RMW-22	Aqueous	07/10/2014 1340	07/11/2014
019	RMW-10	Aqueous	07/10/2014 1430	07/11/2014
020	RMW-06	Aqueous	07/10/2014 1435	07/11/2014
021	DU-14301	Aqueous	07/10/2014	07/11/2014

(21 samples)

Executive Summary

TRC Companies, Inc.

Lot Number: PG12004

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	RMW-03	Aqueous	Benzene	8260B	0.34	J	ug/L	6
001	RMW-03	Aqueous	cis-1,2-Dichloroethene	8260B	0.23	J	ug/L	6
001	RMW-03	Aqueous	Isopropylbenzene	8260B	1.0	J	ug/L	6
001	RMW-03	Aqueous	Tetrachloroethene	8260B	2.5	J	ug/L	6
001	RMW-03	Aqueous	Trichlorofluoromethane	8260B	2.3	J	ug/L	7
002	RMW-04	Aqueous	Trichlorofluoromethane	8260B	3.1	J	ug/L	9
003	RMW-02	Aqueous	Ethylbenzene	8260B	11000		ug/L	10
003	RMW-02	Aqueous	Xylenes (total)	8260B	32000		ug/L	11
004	RMW-21	Aqueous	Tetrachloroethene	8260B	520		ug/L	12
004	RMW-21	Aqueous	Trichloroethene	8260B	1.5	J	ug/L	13
005	RMW-18	Aqueous	cis-1,2-Dichloroethene	8260B	25	J	ug/L	14
005	RMW-18	Aqueous	Tetrachloroethene	8260B	1600		ug/L	14
006	RMW-19	Aqueous	Chloroform	8260B	1.9	J	ug/L	16
006	RMW-19	Aqueous	Tetrachloroethene	8260B	170		ug/L	16
006	RMW-19	Aqueous	Trichloroethene	8260B	0.37	J	ug/L	17
006	RMW-19	Aqueous	Trichlorofluoromethane	8260B	4.6	J	ug/L	17
007	RMW-20	Aqueous	cis-1,2-Dichloroethene	8260B	0.24	J	ug/L	18
007	RMW-20	Aqueous	Tetrachloroethene	8260B	200		ug/L	18
007	RMW-20	Aqueous	Trichloroethene	8260B	0.50	J	ug/L	19
007	RMW-20	Aqueous	Trichlorofluoromethane	8260B	0.55	J	ug/L	19
008	RMW-07	Aqueous	Tetrachloroethene	8260B	590		ug/L	20
009	RMW-05	Aqueous	1,2-Dichloroethane	8260B	2.7	J	ug/L	22
009	RMW-05	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	0.45	J	ug/L	22
009	RMW-05	Aqueous	Tetrachloroethene	8260B	0.87	J	ug/L	22
010	RMW-01	Aqueous	1,2-Dichloroethane	8260B	1.9	J	ug/L	24
010	RMW-01	Aqueous	1,1-Dichloroethene	8260B	0.58	J	ug/L	24
010	RMW-01	Aqueous	Tetrachloroethene	8260B	3.1	J	ug/L	24
010	RMW-01	Aqueous	Trichlorofluoromethane	8260B	1.9	J	ug/L	25
013	RMW-24	Aqueous	Acetone	8260B	12	J	ug/L	30
013	RMW-24	Aqueous	Benzene	8260B	16		ug/L	30
013	RMW-24	Aqueous	Cyclohexane	8260B	48		ug/L	30
013	RMW-24	Aqueous	1,2-Dichlorobenzene	8260B	5.9		ug/L	30
013	RMW-24	Aqueous	1,2-Dichloroethane	8260B	4.0	J	ug/L	30
013	RMW-24	Aqueous	1,2-Dichloropropane	8260B	0.36	J	ug/L	30
013	RMW-24	Aqueous	2-Hexanone	8260B	11		ug/L	30
013	RMW-24	Aqueous	Isopropylbenzene	8260B	26		ug/L	30
013	RMW-24	Aqueous	Methylcyclohexane	8260B	14		ug/L	30
013	RMW-24	Aqueous	Toluene	8260B	2.2	J	ug/L	30
013	RMW-24	Aqueous	Trichloroethene	8260B	0.37	J	ug/L	31
013	RMW-24	Aqueous	Xylenes (total)	8260B	6.9		ug/L	31
014	RMW-08	Aqueous	1,1-Dichloroethane	8260B	0.76	J	ug/L	32
014	RMW-08	Aqueous	cis-1,2-Dichloroethene	8260B	17		ug/L	32
014	RMW-08	Aqueous	Tetrachloroethene	8260B	130		ug/L	32
014	RMW-08	Aqueous	Trichloroethene	8260B	3.9	J	ug/L	33
015	RMW-09	Aqueous	cis-1,2-Dichloroethene	8260B	7.3	J	ug/L	34

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
015	RMW-09	Aqueous	Tetrachloroethene	8260B	340		ug/L	34
016	FBLK-14301	Aqueous	Acetone	8260B	25		ug/L	36
016	FBLK-14301	Aqueous	Methyl acetate	8260B	0.93	J	ug/L	36
016	FBLK-14301	Aqueous	4-Methyl-2-pentanone	8260B	0.88	J	ug/L	36
016	FBLK-14301	Aqueous	Toluene	8260B	4.3	J	ug/L	36
017	RMW-26	Aqueous	Benzene	8260B	6.4		ug/L	38
017	RMW-26	Aqueous	1,1-Dichloroethane	8260B	12		ug/L	38
017	RMW-26	Aqueous	1,1-Dichloroethene	8260B	4.7	J	ug/L	38
017	RMW-26	Aqueous	cis-1,2-Dichloroethene	8260B	2.1	J	ug/L	38
017	RMW-26	Aqueous	Isopropylbenzene	8260B	2.9	J	ug/L	38
017	RMW-26	Aqueous	Tetrachloroethene	8260B	0.59	J	ug/L	38
017	RMW-26	Aqueous	Trichloroethene	8260B	1.9	J	ug/L	39
017	RMW-26	Aqueous	Vinyl chloride	8260B	4.5		ug/L	39
018	RMW-22	Aqueous	Benzene	8260B	0.22	J	ug/L	40
018	RMW-22	Aqueous	1,1-Dichloroethane	8260B	1.7	J	ug/L	40
018	RMW-22	Aqueous	cis-1,2-Dichloroethene	8260B	12		ug/L	40
018	RMW-22	Aqueous	Tetrachloroethene	8260B	120		ug/L	40
018	RMW-22	Aqueous	Trichloroethene	8260B	3.0	J	ug/L	41
019	RMW-10	Aqueous	Tetrachloroethene	8260B	160		ug/L	42
019	RMW-10	Aqueous	1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	0.30	J	ug/L	43
019	RMW-10	Aqueous	Trichloroethene	8260B	0.36	J	ug/L	43
020	RMW-06	Aqueous	Tetrachloroethene	8260B	21		ug/L	44
021	DU-14301	Aqueous	Tetrachloroethene	8260B	14		ug/L	46

(68 detections)

Client: TRC Companies, Inc.
Description: RMW-03
Date Sampled: 07/09/2014 0915
Date Received: 07/11/2014

Laboratory ID: PG12004-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/14/2014 2320	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	0.34	J	5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.23	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	1.0	J	5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	2.5	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-03
Date Sampled: 07/09/2014 0915
Date Received: 07/11/2014

Laboratory ID: PG12004-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/14/2014 2320	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	2.3	J	5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-04
Date Sampled: 07/09/2014 0905
Date Received: 07/11/2014

Laboratory ID: PG12004-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/14/2014 2344	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-04
Date Sampled: 07/09/2014 0905
Date Received: 07/11/2014

Laboratory ID: PG12004-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/14/2014 2344	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	3.1	J	5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-02
Date Sampled: 07/09/2014 1025
Date Received: 07/11/2014

Laboratory ID: PG12004-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	07/15/2014 0028	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		4000	1300	ug/L	1
Benzene	71-43-2	8260B	ND		1000	40	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1000	340	ug/L	1
Bromoform	75-25-2	8260B	ND		1000	80	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1000	160	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		2000	360	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1000	60	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1000	80	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1000	340	ug/L	1
Chloroethane	75-00-3	8260B	ND		1000	100	ug/L	1
Chloroform	67-66-3	8260B	ND		1000	340	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1000	60	ug/L	1
Cyclohexane	110-82-7	8260B	ND		1000	200	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1000	120	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1000	340	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1000	60	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1000	340	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1000	340	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1000	340	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1000	40	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1000	60	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1000	60	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1000	100	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1000	40	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1000	80	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1000	60	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1000	60	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1000	60	ug/L	1
Ethylbenzene	100-41-4	8260B	11000		1000	340	ug/L	1
2-Hexanone	591-78-6	8260B	ND		2000	200	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1000	200	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1000	140	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1000	80	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		2000	160	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		1000	190	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1000	340	ug/L	1
Styrene	100-42-5	8260B	ND		1000	20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1000	80	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1000	80	ug/L	1
Toluene	108-88-3	8260B	ND		1000	340	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-02
Date Sampled: 07/09/2014 1025
Date Received: 07/11/2014

Laboratory ID: PG12004-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	07/15/2014 0028	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1000	60	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1000	340	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1000	40	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1000	60	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1000	60	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1000	60	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		400	20	ug/L	1
Xylenes (total)	1330-20-7	8260B	32000		1000	340	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-21
Date Sampled: 07/09/2014 1030
Date Received: 07/11/2014

Laboratory ID: PG12004-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/15/2014 0052	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	34	ug/L	1
Benzene	71-43-2	8260B	ND		25	1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	8.5	ug/L	1
Bromoform	75-25-2	8260B	ND		25	2.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	4.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	1.5	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	2.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	8.5	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	2.5	ug/L	1
Chloroform	67-66-3	8260B	ND		25	8.5	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	1.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	4.9	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	3.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	8.5	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	1.5	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	8.5	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	8.5	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	8.5	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	1.5	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.5	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	2.5	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.5	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		25	8.5	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	5.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		25	5.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	3.6	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	2.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	4.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	4.8	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	8.5	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	2.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	520		25	2.0	ug/L	1
Toluene	108-88-3	8260B	ND		25	8.5	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-21
Date Sampled: 07/09/2014 1030
Date Received: 07/11/2014

Laboratory ID: PG12004-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/15/2014 0052	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	8.5	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	1.5	J	25	1.5	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		25	1.5	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-18
Date Sampled: 07/09/2014 1305
Date Received: 07/11/2014

Laboratory ID: PG12004-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/15/2014 0115	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		400	130	ug/L	1
Benzene	71-43-2	8260B	ND		100	4.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		100	34	ug/L	1
Bromoform	75-25-2	8260B	ND		100	8.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		100	16	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		200	36	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		100	6.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		100	8.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		100	34	ug/L	1
Chloroethane	75-00-3	8260B	ND		100	10	ug/L	1
Chloroform	67-66-3	8260B	ND		100	34	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		100	6.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		100	20	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		100	12	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		100	34	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		100	6.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		100	34	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		100	34	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		100	34	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		100	4.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		100	6.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	6.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		100	10	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	25	J	100	4.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		100	8.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		100	6.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		100	6.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		100	6.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		100	34	ug/L	1
2-Hexanone	591-78-6	8260B	ND		200	20	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		100	20	ug/L	1
Methyl acetate	79-20-9	8260B	ND		100	14	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	8.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	16	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		100	19	ug/L	1
Methylene chloride	75-09-2	8260B	ND		100	34	ug/L	1
Styrene	100-42-5	8260B	ND		100	2.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		100	8.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	1600		100	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		100	34	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-18
Date Sampled: 07/09/2014 1305
Date Received: 07/11/2014

Laboratory ID: PG12004-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/15/2014 0115	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		100	6.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		100	34	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		100	4.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		100	6.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		100	6.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		100	6.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		40	2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		100	34	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-19
Date Sampled: 07/09/2014 1430
Date Received: 07/11/2014

Laboratory ID: PG12004-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1454	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	1.9	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	170		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-19
Date Sampled: 07/09/2014 1430
Date Received: 07/11/2014

Laboratory ID: PG12004-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1454	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	0.37	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	4.6	J	5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		84	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-20
Date Sampled: 07/09/2014 1320
Date Received: 07/11/2014

Laboratory ID: PG12004-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1516	EH1		51405
2	5030B	8260B	5	07/17/2014 1827	EH1		51627

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.24	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	200		25	2.0	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-20
Date Sampled: 07/09/2014 1320
Date Received: 07/11/2014

Laboratory ID: PG12004-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1516	EH1		51405
2	5030B	8260B	5	07/17/2014 1827	EH1		51627

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	0.50	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	0.55	J	5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	70-130		99	70-130
Bromofluorobenzene		91	70-130		92	70-130
Toluene-d8		100	70-130		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-07
Date Sampled: 07/09/2014 1405
Date Received: 07/11/2014

Laboratory ID: PG12004-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/15/2014 2011	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	34	ug/L	1
Benzene	71-43-2	8260B	ND		25	1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	8.5	ug/L	1
Bromoform	75-25-2	8260B	ND		25	2.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	4.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	1.5	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	2.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	8.5	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	2.5	ug/L	1
Chloroform	67-66-3	8260B	ND		25	8.5	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	1.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	4.9	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	3.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	8.5	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	1.5	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	8.5	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	8.5	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	8.5	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	1.5	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.5	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	2.5	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.5	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		25	8.5	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	5.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		25	5.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	3.6	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	2.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	4.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	4.8	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	8.5	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	2.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	590		25	2.0	ug/L	1
Toluene	108-88-3	8260B	ND		25	8.5	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-07
Date Sampled: 07/09/2014 1405
Date Received: 07/11/2014

Laboratory ID: PG12004-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/15/2014 2011	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	8.5	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	ND		25	1.5	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		25	1.5	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-05
Date Sampled: 07/09/2014 1540
Date Received: 07/11/2014

Laboratory ID: PG12004-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1539	EH1		51405
2	5030B	8260B	1	07/17/2014 1131	EH1		51627

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	2.7	J	5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	0.45	J	5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.87	J	5.0	0.40	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-05
Date Sampled: 07/09/2014 1540
Date Received: 07/11/2014

Laboratory ID: PG12004-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1539	EH1		51405
2	5030B	8260B	1	07/17/2014 1131	EH1		51627

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130		99	70-130
Bromofluorobenzene		91	70-130		92	70-130
Toluene-d8		112	70-130		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-01
Date Sampled: 07/09/2014 1525
Date Received: 07/11/2014

Laboratory ID: PG12004-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1602	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	1.9	J	5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	0.58	J	5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	3.1	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-01
Date Sampled: 07/09/2014 1525
Date Received: 07/11/2014

Laboratory ID: PG12004-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1602	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	1.9	J	5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		82	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: TBLK-14301
Date Sampled: 07/09/2014
Date Received: 07/11/2014

Laboratory ID: PG12004-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/14/2014 2233	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: TBLK-14301
Date Sampled: 07/09/2014
Date Received: 07/11/2014

Laboratory ID: PG12004-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/14/2014 2233	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-25
Date Sampled: 07/10/2014 0940
Date Received: 07/11/2014

Laboratory ID: PG12004-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1624	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-25
Date Sampled: 07/10/2014 0940
Date Received: 07/11/2014

Laboratory ID: PG12004-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1624	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-24
Date Sampled: 07/10/2014 1005
Date Received: 07/11/2014

Laboratory ID: PG12004-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	07/17/2014 1153	EH1		51627

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	12	J	20	6.7	ug/L	2
Benzene	71-43-2	8260B	16		5.0	0.20	ug/L	2
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	2
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	2
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	2
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	2
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	2
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	2
Cyclohexane	110-82-7	8260B	48		5.0	0.98	ug/L	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	2
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	5.9		5.0	1.7	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	2
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	4.0	J	5.0	0.30	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	0.36	J	5.0	0.30	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	2
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	2
2-Hexanone	591-78-6	8260B	11		10	1.0	ug/L	2
Isopropylbenzene	98-82-8	8260B	26		5.0	1.0	ug/L	2
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	2
Methylcyclohexane	108-87-2	8260B	14		5.0	0.95	ug/L	2
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	2
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	2
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	2
Toluene	108-88-3	8260B	2.2	J	5.0	1.7	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-24
Date Sampled: 07/10/2014 1005
Date Received: 07/11/2014

Laboratory ID: PG12004-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	07/17/2014 1153	EH1		51627

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	2
Trichloroethene	79-01-6	8260B	0.37	J	5.0	0.30	ug/L	2
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	2
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	2
Xylenes (total)	1330-20-7	8260B	6.9		5.0	1.7	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-08
Date Sampled: 07/10/2014 1045
Date Received: 07/11/2014

Laboratory ID: PG12004-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1646	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	0.76	J	5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	17		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	130		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-08
Date Sampled: 07/10/2014 1045
Date Received: 07/11/2014

Laboratory ID: PG12004-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1646	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	3.9	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-09
Date Sampled: 07/10/2014 1110
Date Received: 07/11/2014

Laboratory ID: PG12004-015
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/15/2014 2057	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	34	ug/L	1
Benzene	71-43-2	8260B	ND		25	1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	8.5	ug/L	1
Bromoform	75-25-2	8260B	ND		25	2.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	4.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	1.5	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	2.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	8.5	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	2.5	ug/L	1
Chloroform	67-66-3	8260B	ND		25	8.5	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	1.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	4.9	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	3.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	8.5	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	1.5	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	8.5	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	8.5	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	8.5	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	1.5	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.5	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	2.5	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	7.3	J	25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.5	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		25	8.5	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	5.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		25	5.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	3.6	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	2.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	4.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	4.8	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	8.5	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	2.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	340		25	2.0	ug/L	1
Toluene	108-88-3	8260B	ND		25	8.5	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-09
Date Sampled: 07/10/2014 1110
Date Received: 07/11/2014

Laboratory ID: PG12004-015
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/15/2014 2057	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	8.5	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	ND		25	1.5	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		25	1.5	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: FBLK-14301
Date Sampled: 07/10/2014 1105
Date Received: 07/11/2014

Laboratory ID: PG12004-016
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/14/2014 2257	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	25		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	0.93	J	5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	0.88	J	10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	4.3	J	5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: FBLK-14301
Date Sampled: 07/10/2014 1105
Date Received: 07/11/2014

Laboratory ID: PG12004-016
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/14/2014 2257	PMM2		51351

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-26
Date Sampled: 07/10/2014 1335
Date Received: 07/11/2014

Laboratory ID: PG12004-017
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1709	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	6.4		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	12		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	4.7	J	5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	2.1	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	2.9	J	5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.59	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-26
Date Sampled: 07/10/2014 1335
Date Received: 07/11/2014

Laboratory ID: PG12004-017
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1709	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	1.9	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	4.5		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		84	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-22
Date Sampled: 07/10/2014 1340
Date Received: 07/11/2014

Laboratory ID: PG12004-018
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1732	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	0.22	J	5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	1.7	J	5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	12		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	120		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-22
Date Sampled: 07/10/2014 1340
Date Received: 07/11/2014

Laboratory ID: PG12004-018
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1732	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	3.0	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-10
Date Sampled: 07/10/2014 1430
Date Received: 07/11/2014

Laboratory ID: PG12004-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1754	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	160		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-10
Date Sampled: 07/10/2014 1430
Date Received: 07/11/2014

Laboratory ID: PG12004-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1754	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	0.30	J	5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	0.36	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		84	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-06
Date Sampled: 07/10/2014 1435
Date Received: 07/11/2014

Laboratory ID: PG12004-020
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1817	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	21		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-06
Date Sampled: 07/10/2014 1435
Date Received: 07/11/2014

Laboratory ID: PG12004-020
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1817	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DU-14301
Date Sampled: 07/10/2014
Date Received: 07/11/2014

Laboratory ID: PG12004-021
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1840	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	14		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DU-14301
Date Sampled: 07/10/2014
Date Received: 07/11/2014

Laboratory ID: PG12004-021
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/15/2014 1840	EH1		51405

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51351-001
Batch: 51351
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	07/14/2014 2146
Benzene	ND		1	5.0	0.20	ug/L	07/14/2014 2146
Bromodichloromethane	ND		1	5.0	1.7	ug/L	07/14/2014 2146
Bromoform	ND		1	5.0	0.40	ug/L	07/14/2014 2146
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	07/14/2014 2146
2-Butanone (MEK)	ND		1	10	1.8	ug/L	07/14/2014 2146
Carbon disulfide	ND		1	5.0	0.30	ug/L	07/14/2014 2146
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	07/14/2014 2146
Chlorobenzene	ND		1	5.0	1.7	ug/L	07/14/2014 2146
Chloroethane	ND		1	5.0	0.50	ug/L	07/14/2014 2146
Chloroform	ND		1	5.0	1.7	ug/L	07/14/2014 2146
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	07/14/2014 2146
Cyclohexane	ND		1	5.0	0.98	ug/L	07/14/2014 2146
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	07/14/2014 2146
Dibromochloromethane	ND		1	5.0	1.7	ug/L	07/14/2014 2146
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	07/14/2014 2146
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/14/2014 2146
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/14/2014 2146
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/14/2014 2146
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	07/14/2014 2146
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	07/14/2014 2146
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	07/14/2014 2146
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	07/14/2014 2146
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	07/14/2014 2146
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	07/14/2014 2146
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	07/14/2014 2146
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/14/2014 2146
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/14/2014 2146
Ethylbenzene	ND		1	5.0	1.7	ug/L	07/14/2014 2146
2-Hexanone	ND		1	10	1.0	ug/L	07/14/2014 2146
Isopropylbenzene	ND		1	5.0	1.0	ug/L	07/14/2014 2146
Methyl acetate	ND		1	5.0	0.72	ug/L	07/14/2014 2146
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	07/14/2014 2146
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	07/14/2014 2146
Methylcyclohexane	ND		1	5.0	0.95	ug/L	07/14/2014 2146
Methylene chloride	ND		1	5.0	1.7	ug/L	07/14/2014 2146
Styrene	ND		1	5.0	0.10	ug/L	07/14/2014 2146
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	07/14/2014 2146
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/14/2014 2146
Toluene	ND		1	5.0	1.7	ug/L	07/14/2014 2146
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	07/14/2014 2146
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	07/14/2014 2146
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	07/14/2014 2146
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	07/14/2014 2146

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51351-001
Batch: 51351
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	07/14/2014 2146
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	07/14/2014 2146
Vinyl chloride	ND		1	2.0	0.10	ug/L	07/14/2014 2146
Xylenes (total)	ND		1	5.0	1.7	ug/L	07/14/2014 2146

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51351-002
Batch: 51351
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	88		1	88	60-140	07/14/2014 2036
Benzene	50	55		1	109	70-130	07/14/2014 2036
Bromodichloromethane	50	53		1	106	70-130	07/14/2014 2036
Bromoform	50	50		1	100	70-130	07/14/2014 2036
Bromomethane (Methyl bromide)	50	53		1	105	60-140	07/14/2014 2036
2-Butanone (MEK)	100	100		1	101	60-140	07/14/2014 2036
Carbon disulfide	50	55		1	111	60-140	07/14/2014 2036
Carbon tetrachloride	50	51		1	103	70-130	07/14/2014 2036
Chlorobenzene	50	56		1	111	70-130	07/14/2014 2036
Chloroethane	50	56		1	112	42-163	07/14/2014 2036
Chloroform	50	53		1	107	70-130	07/14/2014 2036
Chloromethane (Methyl chloride)	50	54		1	107	60-140	07/14/2014 2036
Cyclohexane	50	56		1	113	70-130	07/14/2014 2036
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	108	70-130	07/14/2014 2036
Dibromochloromethane	50	51		1	102	70-130	07/14/2014 2036
1,2-Dibromoethane (EDB)	50	51		1	101	70-130	07/14/2014 2036
1,4-Dichlorobenzene	50	53		1	106	70-130	07/14/2014 2036
1,3-Dichlorobenzene	50	55		1	109	70-130	07/14/2014 2036
1,2-Dichlorobenzene	50	54		1	108	70-130	07/14/2014 2036
Dichlorodifluoromethane	50	59		1	118	60-140	07/14/2014 2036
1,2-Dichloroethane	50	50		1	101	70-130	07/14/2014 2036
1,1-Dichloroethane	50	55		1	110	70-130	07/14/2014 2036
cis-1,2-Dichloroethene	50	54		1	109	70-130	07/14/2014 2036
trans-1,2-Dichloroethene	50	54		1	109	70-130	07/14/2014 2036
1,1-Dichloroethene	50	56		1	111	70-130	07/14/2014 2036
1,2-Dichloropropane	50	53		1	105	70-130	07/14/2014 2036
trans-1,3-Dichloropropene	50	52		1	103	70-130	07/14/2014 2036
cis-1,3-Dichloropropene	50	51		1	102	70-130	07/14/2014 2036
Ethylbenzene	50	51		1	102	70-130	07/14/2014 2036
2-Hexanone	100	110		1	107	60-140	07/14/2014 2036
Isopropylbenzene	50	52		1	103	70-130	07/14/2014 2036
Methyl acetate	50	51		1	101	70-130	07/14/2014 2036
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	07/14/2014 2036
4-Methyl-2-pentanone	100	100		1	100	60-140	07/14/2014 2036
Methylcyclohexane	50	60		1	120	70-130	07/14/2014 2036
Methylene chloride	50	50		1	99	70-130	07/14/2014 2036
Styrene	50	49		1	98	70-130	07/14/2014 2036
1,1,2,2-Tetrachloroethane	50	54		1	108	70-130	07/14/2014 2036
Tetrachloroethene	50	56		1	113	70-130	07/14/2014 2036
Toluene	50	50		1	100	70-130	07/14/2014 2036
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	58		1	116	70-130	07/14/2014 2036
1,2,4-Trichlorobenzene	50	54		1	109	70-130	07/14/2014 2036
1,1,2-Trichloroethane	50	56		1	112	70-130	07/14/2014 2036
1,1,1-Trichloroethane	50	53		1	106	70-130	07/14/2014 2036

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51351-002
Batch: 51351
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	51		1	103	70-130	07/14/2014 2036
Trichlorofluoromethane	50	55		1	111	70-130	07/14/2014 2036
Vinyl chloride	50	57		1	115	70-130	07/14/2014 2036
Xylenes (total)	100	110		1	106	70-130	07/14/2014 2036

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51351-003
Batch: 51351
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	85		1	85	3.3	60-140	20	07/14/2014 1949
Benzene	50	54		1	108	1.7	70-130	20	07/14/2014 1949
Bromodichloromethane	50	52		1	103	2.2	70-130	20	07/14/2014 1949
Bromoform	50	49		1	99	1.2	70-130	20	07/14/2014 1949
Bromomethane (Methyl bromide)	50	52		1	104	1.5	60-140	20	07/14/2014 1949
2-Butanone (MEK)	100	95		1	95	6.3	60-140	20	07/14/2014 1949
Carbon disulfide	50	54		1	109	1.5	60-140	20	07/14/2014 1949
Carbon tetrachloride	50	50		1	100	2.4	70-130	20	07/14/2014 1949
Chlorobenzene	50	54		1	108	2.7	70-130	20	07/14/2014 1949
Chloroethane	50	54		1	108	3.3	42-163	20	07/14/2014 1949
Chloroform	50	53		1	107	0.23	70-130	20	07/14/2014 1949
Chloromethane (Methyl chloride)	50	52		1	103	3.7	60-140	20	07/14/2014 1949
Cyclohexane	50	55		1	109	3.5	70-130	20	07/14/2014 1949
1,2-Dibromo-3-chloropropane (DBCP)	50	52		1	105	2.7	70-130	20	07/14/2014 1949
Dibromochloromethane	50	50		1	100	1.6	70-130	20	07/14/2014 1949
1,2-Dibromoethane (EDB)	50	51		1	101	0.28	70-130	20	07/14/2014 1949
1,4-Dichlorobenzene	50	52		1	104	2.2	70-130	20	07/14/2014 1949
1,3-Dichlorobenzene	50	53		1	106	3.1	70-130	20	07/14/2014 1949
1,2-Dichlorobenzene	50	53		1	106	1.8	70-130	20	07/14/2014 1949
Dichlorodifluoromethane	50	59		1	117	0.36	60-140	20	07/14/2014 1949
1,2-Dichloroethane	50	48		1	97	4.2	70-130	20	07/14/2014 1949
1,1-Dichloroethane	50	54		1	108	2.0	70-130	20	07/14/2014 1949
cis-1,2-Dichloroethene	50	53		1	106	2.5	70-130	20	07/14/2014 1949
trans-1,2-Dichloroethene	50	54		1	108	1.4	70-130	20	07/14/2014 1949
1,1-Dichloroethene	50	56		1	111	0.10	70-130	20	07/14/2014 1949
1,2-Dichloropropane	50	49		1	99	6.2	70-130	20	07/14/2014 1949
trans-1,3-Dichloropropene	50	51		1	101	1.8	70-130	20	07/14/2014 1949
cis-1,3-Dichloropropene	50	51		1	101	0.38	70-130	20	07/14/2014 1949
Ethylbenzene	50	50		1	100	2.3	70-130	20	07/14/2014 1949
2-Hexanone	100	110		1	106	1.1	60-140	20	07/14/2014 1949
Isopropylbenzene	50	50		1	99	3.8	70-130	20	07/14/2014 1949
Methyl acetate	50	49		1	98	3.6	70-130	20	07/14/2014 1949
Methyl tertiary butyl ether (MTBE)	50	48		1	97	3.5	70-130	20	07/14/2014 1949
4-Methyl-2-pentanone	100	100		1	100	0.36	60-140	20	07/14/2014 1949
Methylcyclohexane	50	60		1	119	0.78	70-130	20	07/14/2014 1949
Methylene chloride	50	49		1	98	1.0	70-130	20	07/14/2014 1949
Styrene	50	48		1	97	0.99	70-130	20	07/14/2014 1949
1,1,2,2-Tetrachloroethane	50	53		1	107	1.3	70-130	20	07/14/2014 1949
Tetrachloroethene	50	57		1	114	1.5	70-130	20	07/14/2014 1949
Toluene	50	49		1	99	1.0	70-130	20	07/14/2014 1949
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	113	2.9	70-130	20	07/14/2014 1949
1,2,4-Trichlorobenzene	50	56		1	111	2.0	70-130	20	07/14/2014 1949
1,1,2-Trichloroethane	50	55		1	111	1.4	70-130	20	07/14/2014 1949
1,1,1-Trichloroethane	50	50		1	101	5.4	70-130	20	07/14/2014 1949

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51351-003
Batch: 51351
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	52		1	104	0.85	70-130	20	07/14/2014 1949
Trichlorofluoromethane	50	54		1	109	1.9	70-130	20	07/14/2014 1949
Vinyl chloride	50	54		1	109	5.2	70-130	20	07/14/2014 1949
Xylenes (total)	100	110		1	106	0.38	70-130	20	07/14/2014 1949

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		88	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG12004-005MS
Batch: 51351
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	2000	3400	N	20	169	60-140	07/15/2014 0139
Benzene	ND	1000	1200		20	117	70-130	07/15/2014 0139
Bromodichloromethane	ND	1000	1100		20	109	71-143	07/15/2014 0139
Bromoform	ND	1000	1000		20	101	65-131	07/15/2014 0139
Bromomethane (Methyl bromide)	ND	1000	980		20	98	36-168	07/15/2014 0139
2-Butanone (MEK)	ND	2000	2800	N	20	141	60-140	07/15/2014 0139
Carbon disulfide	ND	1000	1200		20	123	60-140	07/15/2014 0139
Carbon tetrachloride	ND	1000	1100		20	113	37-166	07/15/2014 0139
Chlorobenzene	ND	1000	1200		20	116	78-129	07/15/2014 0139
Chloroethane	ND	1000	1200		20	117	60-140	07/15/2014 0139
Chloroform	ND	1000	1200		20	120	63-123	07/15/2014 0139
Chloromethane (Methyl chloride)	ND	1000	1200		20	116	20-158	07/15/2014 0139
Cyclohexane	ND	1000	1300		20	130	70-130	07/15/2014 0139
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	1100		20	113	70-130	07/15/2014 0139
Dibromochloromethane	ND	1000	1000		20	104	74-134	07/15/2014 0139
1,2-Dibromoethane (EDB)	ND	1000	1100		20	107	70-130	07/15/2014 0139
1,2-Dichlorobenzene	ND	1000	1100		20	113	70-130	07/15/2014 0139
1,3-Dichlorobenzene	ND	1000	1100		20	112	70-130	07/15/2014 0139
1,4-Dichlorobenzene	ND	1000	1100		20	109	70-130	07/15/2014 0139
Dichlorodifluoromethane	ND	1000	1300		20	129	10-158	07/15/2014 0139
1,1-Dichloroethane	ND	1000	1200		20	122	69-132	07/15/2014 0139
1,2-Dichloroethane	ND	1000	1200		20	118	70-130	07/15/2014 0139
1,1-Dichloroethene	ND	1000	1200		20	124	50-132	07/15/2014 0139
cis-1,2-Dichloroethene	25	1000	1200		20	121	70-130	07/15/2014 0139
trans-1,2-Dichloroethene	ND	1000	1200		20	117	70-130	07/15/2014 0139
1,2-Dichloropropane	ND	1000	1100		20	112	71-126	07/15/2014 0139
cis-1,3-Dichloropropene	ND	1000	1000		20	105	69-130	07/15/2014 0139
trans-1,3-Dichloropropene	ND	1000	1000		20	104	73-131	07/15/2014 0139
Ethylbenzene	ND	1000	1100		20	108	70-130	07/15/2014 0139
2-Hexanone	ND	2000	2300		20	116	60-140	07/15/2014 0139
Isopropylbenzene	ND	1000	1100		20	107	70-130	07/15/2014 0139
Methyl acetate	ND	1000	1500	N	20	146	15-128	07/15/2014 0139
Methyl tertiary butyl ether (MTBE)	ND	1000	1200		20	117	70-130	07/15/2014 0139
4-Methyl-2-pentanone	ND	2000	2300		20	116	60-140	07/15/2014 0139
Methylcyclohexane	ND	1000	1300		20	126	70-130	07/15/2014 0139
Methylene chloride	ND	1000	1100		20	109	69-129	07/15/2014 0139
Styrene	ND	1000	1000		20	103	70-130	07/15/2014 0139
1,1,2,2-Tetrachloroethane	ND	1000	1100		20	114	60-155	07/15/2014 0139
Tetrachloroethene	1600	1000	2700		20	114	70-130	07/15/2014 0139
Toluene	ND	1000	1100		20	106	70-130	07/15/2014 0139
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	1200		20	124	70-130	07/15/2014 0139
1,2,4-Trichlorobenzene	ND	1000	1200		20	118	70-130	07/15/2014 0139
1,1,1-Trichloroethane	ND	1000	1100		20	113	77-132	07/15/2014 0139
1,1,2-Trichloroethane	ND	1000	1200		20	117	77-132	07/15/2014 0139

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG12004-005MS
Batch: 51351
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	1000	1100		20	107	73-124	07/15/2014 0139
Trichlorofluoromethane	ND	1000	1200		20	115	60-140	07/15/2014 0139
Vinyl chloride	ND	1000	1300		20	126	29-159	07/15/2014 0139
Xylenes (total)	ND	2000	2300		20	113	70-130	07/15/2014 0139

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG12004-005MD
Batch: 51351
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	2000	2000	+	20	101	50	60-140	20	07/15/2014 0202
Benzene	ND	1000	1200		20	122	3.7	70-130	20	07/15/2014 0202
Bromodichloromethane	ND	1000	1100		20	111	1.9	71-143	20	07/15/2014 0202
Bromoform	ND	1000	1000		20	101	0.70	65-131	20	07/15/2014 0202
Bromomethane (Methyl bromide)	ND	1000	1100		20	109	11	36-168	20	07/15/2014 0202
2-Butanone (MEK)	ND	2000	2200	+	20	112	22	60-140	20	07/15/2014 0202
Carbon disulfide	ND	1000	1300		20	128	4.0	60-140	20	07/15/2014 0202
Carbon tetrachloride	ND	1000	1200		20	116	2.5	37-166	20	07/15/2014 0202
Chlorobenzene	ND	1000	1200		20	118	1.6	78-129	20	07/15/2014 0202
Chloroethane	ND	1000	1200		20	125	6.3	60-140	20	07/15/2014 0202
Chloroform	ND	1000	1200		20	121	0.76	63-123	20	07/15/2014 0202
Chloromethane (Methyl chloride)	ND	1000	1200		20	122	4.4	20-158	20	07/15/2014 0202
Cyclohexane	ND	1000	1400	N	20	140	7.9	70-130	20	07/15/2014 0202
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	1100		20	110	2.8	70-130	20	07/15/2014 0202
Dibromochloromethane	ND	1000	1000		20	104	0.17	74-134	20	07/15/2014 0202
1,2-Dibromoethane (EDB)	ND	1000	1000		20	104	2.8	70-130	20	07/15/2014 0202
1,2-Dichlorobenzene	ND	1000	1100		20	114	1.3	70-130	20	07/15/2014 0202
1,3-Dichlorobenzene	ND	1000	1100		20	115	2.1	70-130	20	07/15/2014 0202
1,4-Dichlorobenzene	ND	1000	1100		20	112	2.8	70-130	20	07/15/2014 0202
Dichlorodifluoromethane	ND	1000	1400		20	135	5.0	10-158	20	07/15/2014 0202
1,1-Dichloroethane	ND	1000	1200		20	121	0.65	69-132	20	07/15/2014 0202
1,2-Dichloroethane	ND	1000	1100		20	108	8.1	70-130	20	07/15/2014 0202
1,1-Dichloroethene	ND	1000	1300		20	128	2.5	50-132	20	07/15/2014 0202
cis-1,2-Dichloroethene	25	1000	1200		20	118	2.2	70-130	20	07/15/2014 0202
trans-1,2-Dichloroethene	ND	1000	1200		20	121	3.4	70-130	20	07/15/2014 0202
1,2-Dichloropropane	ND	1000	1100		20	110	1.2	71-126	20	07/15/2014 0202
cis-1,3-Dichloropropene	ND	1000	1100		20	106	1.7	69-130	20	07/15/2014 0202
trans-1,3-Dichloropropene	ND	1000	1100		20	105	1.3	73-131	20	07/15/2014 0202
Ethylbenzene	ND	1000	1100		20	110	2.4	70-130	20	07/15/2014 0202
2-Hexanone	ND	2000	2200		20	110	5.7	60-140	20	07/15/2014 0202
Isopropylbenzene	ND	1000	1100		20	111	4.2	70-130	20	07/15/2014 0202
Methyl acetate	ND	1000	1100	+	20	107	31	15-128	20	07/15/2014 0202
Methyl tertiary butyl ether (MTBE)	ND	1000	1100		20	106	9.5	70-130	20	07/15/2014 0202
4-Methyl-2-pentanone	ND	2000	2100		20	104	11	60-140	20	07/15/2014 0202
Methylcyclohexane	ND	1000	1300		20	130	3.0	70-130	20	07/15/2014 0202
Methylene chloride	ND	1000	1100		20	106	3.0	69-129	20	07/15/2014 0202
Styrene	ND	1000	1000		20	103	0.22	70-130	20	07/15/2014 0202
1,1,2,2-Tetrachloroethane	ND	1000	1100		20	109	4.3	60-155	20	07/15/2014 0202
Tetrachloroethene	1600	1000	2800		20	123	3.1	70-130	20	07/15/2014 0202
Toluene	ND	1000	1100		20	108	2.1	70-130	20	07/15/2014 0202
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	1300		20	130	5.4	70-130	20	07/15/2014 0202
1,2,4-Trichlorobenzene	ND	1000	1200		20	120	1.5	70-130	20	07/15/2014 0202
1,1,1-Trichloroethane	ND	1000	1200		20	117	4.0	77-132	20	07/15/2014 0202
1,1,2-Trichloroethane	ND	1000	1200		20	115	0.98	77-132	20	07/15/2014 0202

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG12004-005MD
Batch: 51351
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	1000	1100		20	114	6.5	73-124	20	07/15/2014 0202
Trichlorofluoromethane	ND	1000	1200		20	123	6.1	60-140	20	07/15/2014 0202
Vinyl chloride	ND	1000	1300		20	134	5.8	29-159	20	07/15/2014 0202
Xylenes (total)	ND	2000	2300		20	114	0.64	70-130	20	07/15/2014 0202

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51405-001
Batch: 51405
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	07/15/2014 1346
Benzene	ND		1	5.0	0.20	ug/L	07/15/2014 1346
Bromodichloromethane	ND		1	5.0	1.7	ug/L	07/15/2014 1346
Bromoform	ND		1	5.0	0.40	ug/L	07/15/2014 1346
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	07/15/2014 1346
2-Butanone (MEK)	ND		1	10	1.8	ug/L	07/15/2014 1346
Carbon disulfide	ND		1	5.0	0.30	ug/L	07/15/2014 1346
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	07/15/2014 1346
Chlorobenzene	ND		1	5.0	1.7	ug/L	07/15/2014 1346
Chloroethane	ND		1	5.0	0.50	ug/L	07/15/2014 1346
Chloroform	ND		1	5.0	1.7	ug/L	07/15/2014 1346
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	07/15/2014 1346
Cyclohexane	ND		1	5.0	0.98	ug/L	07/15/2014 1346
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	07/15/2014 1346
Dibromochloromethane	ND		1	5.0	1.7	ug/L	07/15/2014 1346
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	07/15/2014 1346
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/15/2014 1346
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/15/2014 1346
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/15/2014 1346
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	07/15/2014 1346
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	07/15/2014 1346
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	07/15/2014 1346
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	07/15/2014 1346
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	07/15/2014 1346
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	07/15/2014 1346
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	07/15/2014 1346
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/15/2014 1346
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/15/2014 1346
Ethylbenzene	ND		1	5.0	1.7	ug/L	07/15/2014 1346
2-Hexanone	ND		1	10	1.0	ug/L	07/15/2014 1346
Isopropylbenzene	ND		1	5.0	1.0	ug/L	07/15/2014 1346
Methyl acetate	ND		1	5.0	0.72	ug/L	07/15/2014 1346
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	07/15/2014 1346
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	07/15/2014 1346
Methylcyclohexane	ND		1	5.0	0.95	ug/L	07/15/2014 1346
Methylene chloride	ND		1	5.0	1.7	ug/L	07/15/2014 1346
Styrene	ND		1	5.0	0.10	ug/L	07/15/2014 1346
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	07/15/2014 1346
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/15/2014 1346
Toluene	ND		1	5.0	1.7	ug/L	07/15/2014 1346
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	07/15/2014 1346
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	07/15/2014 1346
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	07/15/2014 1346
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	07/15/2014 1346

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51405-001
Batch: 51405
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	07/15/2014 1346
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	07/15/2014 1346
Vinyl chloride	ND		1	2.0	0.10	ug/L	07/15/2014 1346
Xylenes (total)	ND		1	5.0	1.7	ug/L	07/15/2014 1346

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51405-002
Batch: 51405
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	77		1	77	60-140	07/15/2014 1214
Benzene	50	50		1	100	70-130	07/15/2014 1214
Bromodichloromethane	50	51		1	102	70-130	07/15/2014 1214
Bromoform	50	46		1	92	70-130	07/15/2014 1214
Bromomethane (Methyl bromide)	50	54		1	107	60-140	07/15/2014 1214
2-Butanone (MEK)	100	85		1	85	60-140	07/15/2014 1214
Carbon disulfide	50	51		1	103	60-140	07/15/2014 1214
Carbon tetrachloride	50	47		1	93	70-130	07/15/2014 1214
Chlorobenzene	50	47		1	94	70-130	07/15/2014 1214
Chloroethane	50	50		1	100	42-163	07/15/2014 1214
Chloroform	50	48		1	96	70-130	07/15/2014 1214
Chloromethane (Methyl chloride)	50	45		1	90	60-140	07/15/2014 1214
Cyclohexane	50	48		1	95	70-130	07/15/2014 1214
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	89	70-130	07/15/2014 1214
Dibromochloromethane	50	47		1	94	70-130	07/15/2014 1214
1,2-Dibromoethane (EDB)	50	47		1	95	70-130	07/15/2014 1214
1,4-Dichlorobenzene	50	49		1	97	70-130	07/15/2014 1214
1,2-Dichlorobenzene	50	47		1	95	70-130	07/15/2014 1214
1,3-Dichlorobenzene	50	50		1	99	70-130	07/15/2014 1214
Dichlorodifluoromethane	50	50		1	100	60-140	07/15/2014 1214
1,2-Dichloroethane	50	45		1	89	70-130	07/15/2014 1214
1,1-Dichloroethane	50	46		1	92	70-130	07/15/2014 1214
cis-1,2-Dichloroethene	50	50		1	99	70-130	07/15/2014 1214
1,1-Dichloroethene	50	50		1	100	70-130	07/15/2014 1214
trans-1,2-Dichloroethene	50	49		1	98	70-130	07/15/2014 1214
1,2-Dichloropropane	50	57		1	114	70-130	07/15/2014 1214
cis-1,3-Dichloropropene	50	54		1	108	70-130	07/15/2014 1214
trans-1,3-Dichloropropene	50	56		1	111	70-130	07/15/2014 1214
Ethylbenzene	50	49		1	99	70-130	07/15/2014 1214
2-Hexanone	100	88		1	88	60-140	07/15/2014 1214
Isopropylbenzene	50	48		1	97	70-130	07/15/2014 1214
Methyl acetate	50	36		1	73	70-130	07/15/2014 1214
Methyl tertiary butyl ether (MTBE)	50	49		1	97	70-130	07/15/2014 1214
4-Methyl-2-pentanone	100	100		1	103	60-140	07/15/2014 1214
Methylcyclohexane	50	59		1	118	70-130	07/15/2014 1214
Methylene chloride	50	46		1	92	70-130	07/15/2014 1214
Styrene	50	50		1	101	70-130	07/15/2014 1214
1,1,2,2-Tetrachloroethane	50	49		1	98	70-130	07/15/2014 1214
Tetrachloroethene	50	49		1	98	70-130	07/15/2014 1214
Toluene	50	53		1	107	70-130	07/15/2014 1214
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	98	70-130	07/15/2014 1214
1,2,4-Trichlorobenzene	50	46		1	92	70-130	07/15/2014 1214
1,1,2-Trichloroethane	50	48		1	96	70-130	07/15/2014 1214
1,1,1-Trichloroethane	50	47		1	94	70-130	07/15/2014 1214

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51405-002
Batch: 51405
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	48		1	97	70-130	07/15/2014 1214
Trichlorofluoromethane	50	50		1	100	70-130	07/15/2014 1214
Vinyl chloride	50	50		1	101	70-130	07/15/2014 1214
Xylenes (total)	100	97		1	97	70-130	07/15/2014 1214

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		122	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51405-003
Batch: 51405
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	85		1	85	10	60-140	20	07/15/2014 1237
Benzene	50	50		1	100	0.28	70-130	20	07/15/2014 1237
Bromodichloromethane	50	47		1	94	8.0	70-130	20	07/15/2014 1237
Bromoform	50	42		1	84	8.6	70-130	20	07/15/2014 1237
Bromomethane (Methyl bromide)	50	50		1	99	8.0	60-140	20	07/15/2014 1237
2-Butanone (MEK)	100	92		1	92	7.6	60-140	20	07/15/2014 1237
Carbon disulfide	50	51		1	102	0.87	60-140	20	07/15/2014 1237
Carbon tetrachloride	50	47		1	95	1.8	70-130	20	07/15/2014 1237
Chlorobenzene	50	48		1	96	1.9	70-130	20	07/15/2014 1237
Chloroethane	50	49		1	98	1.3	42-163	20	07/15/2014 1237
Chloroform	50	48		1	96	0.24	70-130	20	07/15/2014 1237
Chloromethane (Methyl chloride)	50	44		1	89	1.8	60-140	20	07/15/2014 1237
Cyclohexane	50	47		1	94	1.6	70-130	20	07/15/2014 1237
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	91	1.6	70-130	20	07/15/2014 1237
Dibromochloromethane	50	41		1	83	13	70-130	20	07/15/2014 1237
1,2-Dibromoethane (EDB)	50	48		1	96	0.85	70-130	20	07/15/2014 1237
1,4-Dichlorobenzene	50	49		1	98	1.1	70-130	20	07/15/2014 1237
1,2-Dichlorobenzene	50	47		1	95	0.12	70-130	20	07/15/2014 1237
1,3-Dichlorobenzene	50	49		1	98	0.98	70-130	20	07/15/2014 1237
Dichlorodifluoromethane	50	50		1	100	0.40	60-140	20	07/15/2014 1237
1,2-Dichloroethane	50	45		1	90	0.97	70-130	20	07/15/2014 1237
1,1-Dichloroethane	50	46		1	93	0.30	70-130	20	07/15/2014 1237
cis-1,2-Dichloroethene	50	50		1	99	0.25	70-130	20	07/15/2014 1237
1,1-Dichloroethene	50	49		1	97	2.7	70-130	20	07/15/2014 1237
trans-1,2-Dichloroethene	50	49		1	98	0.55	70-130	20	07/15/2014 1237
1,2-Dichloropropane	50	49		1	98	15	70-130	20	07/15/2014 1237
cis-1,3-Dichloropropene	50	54		1	107	0.48	70-130	20	07/15/2014 1237
trans-1,3-Dichloropropene	50	45	+	1	90	21	70-130	20	07/15/2014 1237
Ethylbenzene	50	50		1	100	1.1	70-130	20	07/15/2014 1237
2-Hexanone	100	79		1	79	11	60-140	20	07/15/2014 1237
Isopropylbenzene	50	49		1	99	1.8	70-130	20	07/15/2014 1237
Methyl acetate	50	37		1	74	1.9	70-130	20	07/15/2014 1237
Methyl tertiary butyl ether (MTBE)	50	48		1	97	0.43	70-130	20	07/15/2014 1237
4-Methyl-2-pentanone	100	99		1	99	4.3	60-140	20	07/15/2014 1237
Methylcyclohexane	50	48		1	97	20	70-130	20	07/15/2014 1237
Methylene chloride	50	46		1	92	0.73	70-130	20	07/15/2014 1237
Styrene	50	46		1	92	8.7	70-130	20	07/15/2014 1237
1,1,2,2-Tetrachloroethane	50	51		1	102	4.5	70-130	20	07/15/2014 1237
Tetrachloroethene	50	43		1	86	13	70-130	20	07/15/2014 1237
Toluene	50	56		1	111	4.2	70-130	20	07/15/2014 1237
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	97	1.1	70-130	20	07/15/2014 1237
1,2,4-Trichlorobenzene	50	46		1	91	0.49	70-130	20	07/15/2014 1237
1,1,2-Trichloroethane	50	42		1	83	14	70-130	20	07/15/2014 1237
1,1,1-Trichloroethane	50	47		1	94	0.50	70-130	20	07/15/2014 1237

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51405-003
Batch: 51405
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	48		1	97	0.28	70-130	20	07/15/2014 1237
Trichlorofluoromethane	50	50		1	101	0.98	70-130	20	07/15/2014 1237
Vinyl chloride	50	47		1	94	6.8	70-130	20	07/15/2014 1237
Xylenes (total)	100	94		1	94	3.2	70-130	20	07/15/2014 1237

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		85	70-130
1,2-Dichloroethane-d4		88	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51627-001
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	07/17/2014 1046
Benzene	ND		1	5.0	0.20	ug/L	07/17/2014 1046
Bromodichloromethane	ND		1	5.0	1.7	ug/L	07/17/2014 1046
Bromoform	ND		1	5.0	0.40	ug/L	07/17/2014 1046
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	07/17/2014 1046
2-Butanone (MEK)	ND		1	10	1.8	ug/L	07/17/2014 1046
Carbon disulfide	ND		1	5.0	0.30	ug/L	07/17/2014 1046
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	07/17/2014 1046
Chlorobenzene	ND		1	5.0	1.7	ug/L	07/17/2014 1046
Chloroethane	ND		1	5.0	0.50	ug/L	07/17/2014 1046
Chloroform	ND		1	5.0	1.7	ug/L	07/17/2014 1046
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	07/17/2014 1046
Cyclohexane	ND		1	5.0	0.98	ug/L	07/17/2014 1046
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	07/17/2014 1046
Dibromochloromethane	ND		1	5.0	1.7	ug/L	07/17/2014 1046
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	07/17/2014 1046
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/17/2014 1046
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/17/2014 1046
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/17/2014 1046
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	07/17/2014 1046
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	07/17/2014 1046
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	07/17/2014 1046
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	07/17/2014 1046
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	07/17/2014 1046
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	07/17/2014 1046
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	07/17/2014 1046
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/17/2014 1046
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/17/2014 1046
Ethylbenzene	ND		1	5.0	1.7	ug/L	07/17/2014 1046
2-Hexanone	ND		1	10	1.0	ug/L	07/17/2014 1046
Isopropylbenzene	ND		1	5.0	1.0	ug/L	07/17/2014 1046
Methyl acetate	ND		1	5.0	0.72	ug/L	07/17/2014 1046
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	07/17/2014 1046
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	07/17/2014 1046
Methylcyclohexane	ND		1	5.0	0.95	ug/L	07/17/2014 1046
Methylene chloride	ND		1	5.0	1.7	ug/L	07/17/2014 1046
Styrene	ND		1	5.0	0.10	ug/L	07/17/2014 1046
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	07/17/2014 1046
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/17/2014 1046
Toluene	ND		1	5.0	1.7	ug/L	07/17/2014 1046
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	07/17/2014 1046
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	07/17/2014 1046
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	07/17/2014 1046
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	07/17/2014 1046

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51627-001
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	07/17/2014 1046
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	07/17/2014 1046
Vinyl chloride	ND		1	2.0	0.10	ug/L	07/17/2014 1046
Xylenes (total)	ND		1	5.0	1.7	ug/L	07/17/2014 1046

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51627-002
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	96		1	96	60-140	07/17/2014 0915
Benzene	50	53		1	105	70-130	07/17/2014 0915
Bromodichloromethane	50	49		1	98	70-130	07/17/2014 0915
Bromoform	50	46		1	92	70-130	07/17/2014 0915
Bromomethane (Methyl bromide)	50	48		1	95	60-140	07/17/2014 0915
2-Butanone (MEK)	100	93		1	93	60-140	07/17/2014 0915
Carbon disulfide	50	54		1	108	60-140	07/17/2014 0915
Carbon tetrachloride	50	49		1	98	70-130	07/17/2014 0915
Chlorobenzene	50	48		1	96	70-130	07/17/2014 0915
Chloroethane	50	54		1	108	42-163	07/17/2014 0915
Chloroform	50	50		1	100	70-130	07/17/2014 0915
Chloromethane (Methyl chloride)	50	46		1	92	60-140	07/17/2014 0915
Cyclohexane	50	60		1	120	70-130	07/17/2014 0915
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	89	70-130	07/17/2014 0915
Dibromochloromethane	50	48		1	95	70-130	07/17/2014 0915
1,2-Dibromoethane (EDB)	50	48		1	96	70-130	07/17/2014 0915
1,4-Dichlorobenzene	50	51		1	101	70-130	07/17/2014 0915
1,2-Dichlorobenzene	50	49		1	98	70-130	07/17/2014 0915
1,3-Dichlorobenzene	50	50		1	101	70-130	07/17/2014 0915
Dichlorodifluoromethane	50	50		1	100	60-140	07/17/2014 0915
1,2-Dichloroethane	50	50		1	99	70-130	07/17/2014 0915
1,1-Dichloroethane	50	51		1	102	70-130	07/17/2014 0915
trans-1,2-Dichloroethene	50	51		1	101	70-130	07/17/2014 0915
1,1-Dichloroethene	50	52		1	103	70-130	07/17/2014 0915
cis-1,2-Dichloroethene	50	50		1	101	70-130	07/17/2014 0915
1,2-Dichloropropane	50	54		1	107	70-130	07/17/2014 0915
trans-1,3-Dichloropropene	50	51		1	102	70-130	07/17/2014 0915
cis-1,3-Dichloropropene	50	52		1	105	70-130	07/17/2014 0915
Ethylbenzene	50	51		1	102	70-130	07/17/2014 0915
2-Hexanone	100	100		1	104	60-140	07/17/2014 0915
Isopropylbenzene	50	52		1	103	70-130	07/17/2014 0915
Methyl acetate	50	46		1	92	70-130	07/17/2014 0915
Methyl tertiary butyl ether (MTBE)	50	50		1	99	70-130	07/17/2014 0915
4-Methyl-2-pentanone	100	110		1	113	60-140	07/17/2014 0915
Methylcyclohexane	50	52		1	104	70-130	07/17/2014 0915
Methylene chloride	50	48		1	96	70-130	07/17/2014 0915
Styrene	50	51		1	102	70-130	07/17/2014 0915
1,1,2,2-Tetrachloroethane	50	52		1	104	70-130	07/17/2014 0915
Tetrachloroethene	50	50		1	101	70-130	07/17/2014 0915
Toluene	50	51		1	101	70-130	07/17/2014 0915
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	70-130	07/17/2014 0915
1,2,4-Trichlorobenzene	50	42		1	83	70-130	07/17/2014 0915
1,1,2-Trichloroethane	50	48		1	96	70-130	07/17/2014 0915
1,1,1-Trichloroethane	50	48		1	96	70-130	07/17/2014 0915

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51627-002
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	98	70-130	07/17/2014 0915
Trichlorofluoromethane	50	52		1	105	70-130	07/17/2014 0915
Vinyl chloride	50	46		1	91	70-130	07/17/2014 0915
Xylenes (total)	100	100		1	100	70-130	07/17/2014 0915

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		111	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51627-003
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	107	11	60-140	20	07/17/2014 0938
Benzene	50	53		1	106	0.38	70-130	20	07/17/2014 0938
Bromodichloromethane	50	49		1	97	1.2	70-130	20	07/17/2014 0938
Bromoform	50	47		1	93	0.87	70-130	20	07/17/2014 0938
Bromomethane (Methyl bromide)	50	50		1	99	3.9	60-140	20	07/17/2014 0938
2-Butanone (MEK)	100	96		1	96	3.5	60-140	20	07/17/2014 0938
Carbon disulfide	50	54		1	107	0.11	60-140	20	07/17/2014 0938
Carbon tetrachloride	50	49		1	99	1.1	70-130	20	07/17/2014 0938
Chlorobenzene	50	48		1	96	0.59	70-130	20	07/17/2014 0938
Chloroethane	50	54		1	107	0.44	42-163	20	07/17/2014 0938
Chloroform	50	50		1	101	0.43	70-130	20	07/17/2014 0938
Chloromethane (Methyl chloride)	50	46		1	92	0.74	60-140	20	07/17/2014 0938
Cyclohexane	50	59		1	118	2.0	70-130	20	07/17/2014 0938
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	97	8.3	70-130	20	07/17/2014 0938
Dibromochloromethane	50	49		1	97	1.8	70-130	20	07/17/2014 0938
1,2-Dibromoethane (EDB)	50	49		1	98	2.0	70-130	20	07/17/2014 0938
1,4-Dichlorobenzene	50	51		1	102	0.65	70-130	20	07/17/2014 0938
1,2-Dichlorobenzene	50	49		1	99	0.77	70-130	20	07/17/2014 0938
1,3-Dichlorobenzene	50	51		1	102	0.71	70-130	20	07/17/2014 0938
Dichlorodifluoromethane	50	50		1	101	0.79	60-140	20	07/17/2014 0938
1,2-Dichloroethane	50	50		1	99	0.15	70-130	20	07/17/2014 0938
1,1-Dichloroethane	50	51		1	103	0.52	70-130	20	07/17/2014 0938
trans-1,2-Dichloroethene	50	50		1	101	0.61	70-130	20	07/17/2014 0938
1,1-Dichloroethene	50	51		1	102	0.81	70-130	20	07/17/2014 0938
cis-1,2-Dichloroethene	50	51		1	102	1.6	70-130	20	07/17/2014 0938
1,2-Dichloropropane	50	54		1	107	0.26	70-130	20	07/17/2014 0938
trans-1,3-Dichloropropene	50	51		1	102	0.37	70-130	20	07/17/2014 0938
cis-1,3-Dichloropropene	50	52		1	105	0.13	70-130	20	07/17/2014 0938
Ethylbenzene	50	51		1	102	0.50	70-130	20	07/17/2014 0938
2-Hexanone	100	110		1	107	2.8	60-140	20	07/17/2014 0938
Isopropylbenzene	50	50		1	100	2.6	70-130	20	07/17/2014 0938
Methyl acetate	50	47		1	94	2.6	70-130	20	07/17/2014 0938
Methyl tertiary butyl ether (MTBE)	50	51		1	102	2.8	70-130	20	07/17/2014 0938
4-Methyl-2-pentanone	100	120		1	115	1.9	60-140	20	07/17/2014 0938
Methylcyclohexane	50	53		1	105	1.1	70-130	20	07/17/2014 0938
Methylene chloride	50	48		1	95	0.85	70-130	20	07/17/2014 0938
Styrene	50	52		1	103	1.6	70-130	20	07/17/2014 0938
1,1,2,2-Tetrachloroethane	50	53		1	106	1.7	70-130	20	07/17/2014 0938
Tetrachloroethene	50	50		1	101	0.089	70-130	20	07/17/2014 0938
Toluene	50	51		1	102	1.1	70-130	20	07/17/2014 0938
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	0.098	70-130	20	07/17/2014 0938
1,2,4-Trichlorobenzene	50	45		1	90	7.4	70-130	20	07/17/2014 0938
1,1,2-Trichloroethane	50	48		1	97	0.25	70-130	20	07/17/2014 0938
1,1,1-Trichloroethane	50	50		1	100	3.6	70-130	20	07/17/2014 0938

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51627-003
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	49		1	97	0.73	70-130	20	07/17/2014 0938
Trichlorofluoromethane	50	53		1	106	0.71	70-130	20	07/17/2014 0938
Vinyl chloride	50	45		1	90	1.1	70-130	20	07/17/2014 0938
Xylenes (total)	100	100		1	101	0.74	70-130	20	07/17/2014 0938

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 25629

Client: TRC	Report to Contact: Lisa Clark	Sampler (Printed Name): Greg Darnell	Quote No.
Address: 30 Patewood Drive	Telephone No. / Fax No. / Email: 864-281-0030	Waybill No.	Page ___ of ___
City: Greenville / State: SC / Zip Code: 29615	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H_2SO_4 4. HNO_3 5. HCl 6. Na Thio. 7. NaOH		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: WPH Clemson			PG12004
Project Number: 208464.0000.0000.000002	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs	Number of Containers	Bottle (See Instructions on back)	Preservative
RMW-03	7-9-14	0915	G	X					X	4	A	1/5
RMW-04		0905							X			
RMW-02		1025							X			
RMW-21		1030							X			
RMW-18		1305							X			
RMW-19		1430							X			
RMW-20		1320							X			
RMW-07		1405							X			
RMW-05		1540							X			
RMW-01		1525							X			

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler	7-10-14	1630	1. Received by: TRC Sample Storage/CA	7-10-14	1630
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	7/11/14	1850	4. Laboratory Received by	7/11/14	1550

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack — Receipt Temp. 5.3 °C — Temp. Blank ☐ Y / ☑ N

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 25628

Client: TRC	Report to Contact: Lisa Clark	Sampler (Printed Name): Grey Darnell	Quote No.
Address: 30 Patewood Drive	Telephone No. / Fax No. / Email: 864-281-0030	Waybill No.	Page: of
City: Greenville / State: SC / Zip Code: 29615	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: WPH Clemson			
Project Number: 208464.0000.0000.000002	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOC's	# Containers	Preservative
TBLK-14301	—	—	G	X						3	
25	7-10-14	0940	G	X						4	
RMW-24	7-10-14	1005	G	X						4	
RMW-08	7-10-14	1045	G	X						4	
RMW-09	7-10-14	1110	G	X						4	
FBLK-14301	7-10-14	1105	G	X						4	
RMW-26	7-10-14	1335	G	X						4	
RMW-22	7-10-14	1340	G	X						4	
RMW-10	7-10-14	1430	G	X						4	
RMW-06	7-10-14	1435	G	X						4	

PG12004

Turn Around Time Required (Prior lab approval required for expedited TAT): ☒ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: [signature]	7-10-14	1630	1. Received by: TRC Sample Storage/CT	7-10-14	1630
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by: [signature]	7/11/14	1550	4. Laboratory Received by: [signature]	7/11/14	1550

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack — Receipt Temp. 5.3 °C — Temp. Blank ☐ Y / ☑ N

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 25627

Client: TRC	Report to Contact: Lisa Clark	Sampler (Printed Name): Bill Medlin	Quote No.
Address: 30 Patewood Dr	Telephone No. / Fax No. / Email: 864-281-0030	Waybill No.	Page: ___ of ___
City: Greenville / State: SC / Zip Code: 29615	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: WPH Clemson			
Project Number: 208464.0000.0000.00000	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 4	4	1/5	VOC's														
D4-14301	7-10-14	—	G	X								X														

PG12004

Turn Around Time Required (Prior lab approval required for expedited TAT): [X] Standard [ ] Rush (Please Specify)

Sample Disposal: [ ] Return to Client [ ] Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: [ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison [ ] Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Bill Medlin	7-10-14	1630	1. Received by: TRC Sample Storage/CM	7-10-14	1630
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by: CM	Date: 7/11/14	Time: 1150	4. Laboratory Received by	Date: 7/11/14	Time: 1550

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) [X] Yes [ ] No [ ] Ice Pack
Receipt Temp. 5.3 °C
Temp. Blank [ ] Y / [X] N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 14

Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: TRC Cooler Inspected by/date: mcm / 07/21/14 Lot #: R612004

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 15.2/15.3 °C / / °C / / °C / / °C			
Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: 0.1 °C			
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.			
Sample(s) _____ were received with bubbles >6 mm in diameter.			
Sample(s)_____ were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____ Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____			
Sample labels applied by: mcm Verified by: mcm Date: 7/12/14			

Comments:

Report of Analysis

TRC Companies, Inc.
Patewood Plaza One, Suite 100
30 Patewood Drive
Greenville, SC 29615-3535
Attention: Lisa Clark

Project Name: WPH Clemson

Project Number: 208464.0002.0000

Lot Number: PG18002

Date Completed: 07/25/2014

Date Revised: 07/25/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* P G 1 8 0 0 2 *

7/29/14

WPH-CLEMSON 208464.0.0.2

LAB REPORT PG18002

DATA QUALITY REVIEW

CHAINS-OF-CUSTODY – SIGNED

SAMPLE TEMPERATURE – OK

HOLD TIMES – OK

SURROGATES – RECOVERIES OK

METHOD BLANKS – NO DETECTIONS

TRIP BLANK (TBLK-14302) – NO DETECTIONS

RINSATE BLANK (RBLK-14301) – ACETONE 34 ug/L

TOLUENE 3.2 J ug/L

A "J" FLAG IS ASSIGNED TO TOLUENE IN RMW-15B BECAUSE OF COMPARABLE CONCENTRATION IN RBLK-14301

LCS/LCSD – RECOVERIES AND RPDS OK

MS/MSD – RMW-23A, RMW-22A AND RMW-10C USED FOR MS/MSD ANALYSES. RECOVERIES AND RPDS OK EXCEPT AS FOLLOWS:

- LOW RECOVERIES OF 1,1,2,2-TETRACHLOROETHANE IN RMW-10C MS AND MSD. 1,1,2,2-TETRACHLOROETHANE WAS NOT DETECTED IN UNSPIKED RMW-10C.

A "UJ" FLAG IS ASSIGNED TO 1,1,2,2-TETRACHLOROETHANE IN RMW-10C.

7/30/14 WPH-Clemson 208464.0.0.2

Lab Report PG18002

Data Quality Review

MS/MSD (cont.)
- High recovery of trichloroethene in RMW-10C MSD. Trichloroethene was not detected in unspiked RMW-10C. No flag assigned.
- High RPD for 4-Methyl-2-pentanone. 4-Methyl-2-pentanone has a laboratory J flag. No additional flag assigned.

Field Duplicate – DU-14302 is a field duplicate of RMW-16B. The RPD for tetrachloroethene is 5.1%. Trichloroethene and Carbon Disulfide detected at <1 ug/L in RMW-16B but not detected in DU-14302. Precision is OK.

TLH

7-30-2014

P2

Case Narrative
TRC Companies, Inc.
Lot Number: PG18002

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

VOCs by GC/MS

Due to suspected matrix interferencees, the MS/MSD associated with batch 52183 recovered 1,1,2,2-Tetrachloroethane at 51% and 57% respectively.

The compound 4-Methyl-2-pentanone was qualified with a "+" in batch 52183 as the relative percent difference between the MS and MSD exceeded method criteria. No corrective action was taken as the recoveries for this compound was within method criteria in both the MS and MSD.

Sample Summary

TRC Companies, Inc.

Lot Number: PG18002

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	TBLK-14302	Aqueous	07/14/2014	07/17/2014
002	MG-05	Aqueous	07/14/2014 1315	07/17/2014
003	RMW-17	Aqueous	07/14/2014 0945	07/17/2014
004	RMW-16	Aqueous	07/14/2014 1025	07/17/2014
005	RMW-23	Aqueous	07/14/2014 1105	07/17/2014
006	DG-06	Aqueous	07/14/2014 1245	07/17/2014
007	RMW-12	Aqueous	07/14/2014 0920	07/17/2014
008	RMW-11	Aqueous	07/14/2014 1000	07/17/2014
009	RMW-14	Aqueous	07/14/2014 1040	07/17/2014
010	RMW-15	Aqueous	07/14/2014 1120	07/17/2014
011	RMW-13	Aqueous	07/14/2014 1210	07/17/2014
012	RMW-20B	Aqueous	07/15/2014 1345	07/17/2014
013	RMW-20C	Aqueous	07/15/2014 1405	07/17/2014
014	RMW-20A	Aqueous	07/15/2014 1610	07/17/2014
015	RMW-21A	Aqueous	07/15/2014 1555	07/17/2014
016	RMW-23C	Aqueous	07/16/2014 1015	07/17/2014
017	RMW-23B	Aqueous	07/16/2014 0935	07/17/2014
018	RMW-23A	Aqueous	07/16/2014 1110	07/17/2014
019	RMW-22A	Aqueous	07/16/2014 1035	07/17/2014
020	RMW-16C	Aqueous	07/16/2014 1355	07/17/2014
021	RMW-16B	Aqueous	07/16/2014 1340	07/17/2014
022	RMW-10B	Aqueous	07/17/2014 0935	07/17/2014
023	RMW-10C	Aqueous	07/17/2014 0955	07/17/2014
024	RMW-10A	Aqueous	07/17/2014 1010	07/17/2014
025	RMW-15A	Aqueous	07/17/2014 1140	07/17/2014
026	RMW-16A	Aqueous	07/17/2014 1240	07/17/2014
027	RMW-15B	Aqueous	07/17/2014 1315	07/17/2014
028	RBLK-14301	Aqueous	07/17/2014 0810	07/17/2014
029	DU-14302	Aqueous	07/14/2014	07/17/2014

(29 samples)

Executive Summary

TRC Companies, Inc.

Lot Number: PG18002

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	MG-05	Aqueous	1,1-Dichloroethane	8260B	0.89	J	ug/L	8
002	MG-05	Aqueous	cis-1,2-Dichloroethene	8260B	5.2		ug/L	8
002	MG-05	Aqueous	Tetrachloroethene	8260B	16		ug/L	8
002	MG-05	Aqueous	Trichloroethene	8260B	2.8	J	ug/L	9
003	RMW-17	Aqueous	cis-1,2-Dichloroethene	8260B	5.0	J	ug/L	10
003	RMW-17	Aqueous	Tetrachloroethene	8260B	180		ug/L	10
004	RMW-16	Aqueous	cis-1,2-Dichloroethene	8260B	8.1	J	ug/L	12
004	RMW-16	Aqueous	Tetrachloroethene	8260B	440		ug/L	12
004	RMW-16	Aqueous	Trichloroethene	8260B	85		ug/L	13
005	RMW-23	Aqueous	cis-1,2-Dichloroethene	8260B	0.79	J	ug/L	14
005	RMW-23	Aqueous	Tetrachloroethene	8260B	3.2	J	ug/L	14
006	DG-06	Aqueous	cis-1,2-Dichloroethene	8260B	12	J	ug/L	16
006	DG-06	Aqueous	Tetrachloroethene	8260B	290		ug/L	16
006	DG-06	Aqueous	Trichloroethene	8260B	1.6	J	ug/L	17
006	DG-06	Aqueous	Trichlorofluoromethane	8260B	11	J	ug/L	17
007	RMW-12	Aqueous	1,2-Dichloroethane	8260B	1.8	J	ug/L	18
007	RMW-12	Aqueous	Tetrachloroethene	8260B	0.95	J	ug/L	18
008	RMW-11	Aqueous	Chloroform	8260B	3.3	J	ug/L	20
008	RMW-11	Aqueous	1,2-Dichloroethane	8260B	0.95	J	ug/L	20
008	RMW-11	Aqueous	cis-1,2-Dichloroethene	8260B	0.24	J	ug/L	20
008	RMW-11	Aqueous	Tetrachloroethene	8260B	150		ug/L	20
008	RMW-11	Aqueous	Trichloroethene	8260B	0.37	J	ug/L	21
009	RMW-14	Aqueous	cis-1,2-Dichloroethene	8260B	0.22	J	ug/L	22
009	RMW-14	Aqueous	Tetrachloroethene	8260B	120		ug/L	22
010	RMW-15	Aqueous	Carbon disulfide	8260B	0.30	J	ug/L	24
010	RMW-15	Aqueous	cis-1,2-Dichloroethene	8260B	0.21	J	ug/L	24
010	RMW-15	Aqueous	Tetrachloroethene	8260B	52		ug/L	24
010	RMW-15	Aqueous	Trichloroethene	8260B	0.58	J	ug/L	25
011	RMW-13	Aqueous	1,2-Dichloroethane	8260B	0.63	J	ug/L	26
011	RMW-13	Aqueous	cis-1,2-Dichloroethene	8260B	0.28	J	ug/L	26
011	RMW-13	Aqueous	Tetrachloroethene	8260B	150		ug/L	26
011	RMW-13	Aqueous	1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	0.51	J	ug/L	27
011	RMW-13	Aqueous	Trichloroethene	8260B	0.46	J	ug/L	27
012	RMW-20B	Aqueous	Tetrachloroethene	8260B	6.2		ug/L	28
012	RMW-20B	Aqueous	Trichlorofluoromethane	8260B	0.52	J	ug/L	29
013	RMW-20C	Aqueous	Carbon disulfide	8260B	0.42	J	ug/L	30
013	RMW-20C	Aqueous	Chloroform	8260B	4.1	J	ug/L	30
013	RMW-20C	Aqueous	Tetrachloroethene	8260B	2.7	J	ug/L	30
013	RMW-20C	Aqueous	Vinyl chloride	8260B	0.11	J	ug/L	31
014	RMW-20A	Aqueous	Tetrachloroethene	8260B	5100		ug/L	32
014	RMW-20A	Aqueous	1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	82	J	ug/L	33
015	RMW-21A	Aqueous	Tetrachloroethene	8260B	1900		ug/L	34
015	RMW-21A	Aqueous	Trichloroethene	8260B	11	J	ug/L	35
016	RMW-23C	Aqueous	Tetrachloroethene	8260B	2700		ug/L	36
017	RMW-23B	Aqueous	Tetrachloroethene	8260B	3100		ug/L	38

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
017	RMW-23B	Aqueous	Trichloroethene	8260B	9.1	J	ug/L	39
018	RMW-23A	Aqueous	Tetrachloroethene	8260B	9500		ug/L	40
019	RMW-22A	Aqueous	Tetrachloroethene	8260B	1400		ug/L	42
020	RMW-16C	Aqueous	Tetrachloroethene	8260B	100		ug/L	44
021	RMW-16B	Aqueous	Carbon disulfide	8260B	0.60	J	ug/L	46
021	RMW-16B	Aqueous	Tetrachloroethene	8260B	200		ug/L	46
021	RMW-16B	Aqueous	Trichloroethene	8260B	0.56	J	ug/L	47
022	RMW-10B	Aqueous	Carbon disulfide	8260B	1.4	J	ug/L	48
022	RMW-10B	Aqueous	Chloroform	8260B	3.2	J	ug/L	48
022	RMW-10B	Aqueous	4-Methyl-2-pentanone	8260B	1.9	J	ug/L	48
022	RMW-10B	Aqueous	Tetrachloroethene	8260B	21		ug/L	48
023	RMW-10C	Aqueous	Chloroform	8260B	5.3		ug/L	50
023	RMW-10C	Aqueous	4-Methyl-2-pentanone	8260B	2.1	J	ug/L	50
023	RMW-10C	Aqueous	Tetrachloroethene	8260B	5.8		ug/L	50
024	RMW-10A	Aqueous	Tetrachloroethene	8260B	680		ug/L	52
025	RMW-15A	Aqueous	Chloroform	8260B	16	J	ug/L	54
025	RMW-15A	Aqueous	Tetrachloroethene	8260B	240		ug/L	54
026	RMW-16A	Aqueous	Tetrachloroethene	8260B	4600		ug/L	56
027	RMW-15B	Aqueous	Chloroform	8260B	3.8	J	ug/L	58
027	RMW-15B	Aqueous	Tetrachloroethene	8260B	1.8	J	ug/L	58
027	RMW-15B	Aqueous	Toluene	8260B	1.7	J	ug/L	58
028	RBLK-14301	Aqueous	Acetone	8260B	34		ug/L	60
028	RBLK-14301	Aqueous	Toluene	8260B	3.2	J	ug/L	60
029	DU-14302	Aqueous	Tetrachloroethene	8260B	190		ug/L	62

(69 detections)

Client: TRC Companies, Inc.
Description: TBLK-14302
Date Sampled: 07/14/2014
Date Received: 07/17/2014

Laboratory ID: PG18002-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1247	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: TBLK-14302
Date Sampled: 07/14/2014
Date Received: 07/17/2014

Laboratory ID: PG18002-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1247	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MG-05
Date Sampled: 07/14/2014 1315
Date Received: 07/17/2014

Laboratory ID: PG18002-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1310	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	0.89	J	5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	5.2		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	16		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MG-05
Date Sampled: 07/14/2014 1315
Date Received: 07/17/2014

Laboratory ID: PG18002-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1310	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	2.8	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-17
Date Sampled: 07/14/2014 0945
Date Received: 07/17/2014

Laboratory ID: PG18002-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/19/2014 1746	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	34	ug/L	1
Benzene	71-43-2	8260B	ND		25	1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	8.5	ug/L	1
Bromoform	75-25-2	8260B	ND		25	2.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	4.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	1.5	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	2.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	8.5	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	2.5	ug/L	1
Chloroform	67-66-3	8260B	ND		25	8.5	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	1.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	4.9	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	3.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	8.5	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	1.5	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	8.5	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	8.5	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	8.5	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	1.5	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.5	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	2.5	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	5.0	J	25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.5	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		25	8.5	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	5.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		25	5.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	3.6	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	2.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	4.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	4.8	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	8.5	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	2.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	180		25	2.0	ug/L	1
Toluene	108-88-3	8260B	ND		25	8.5	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-17
Date Sampled: 07/14/2014 0945
Date Received: 07/17/2014

Laboratory ID: PG18002-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/19/2014 1746	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	8.5	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	ND		25	1.5	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		25	1.5	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-16
Date Sampled: 07/14/2014 1025
Date Received: 07/17/2014

Laboratory ID: PG18002-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	07/19/2014 1855	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		200	67	ug/L	1
Benzene	71-43-2	8260B	ND		50	2.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		50	17	ug/L	1
Bromoform	75-25-2	8260B	ND		50	4.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		50	8.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		100	18	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		50	3.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		50	4.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		50	17	ug/L	1
Chloroethane	75-00-3	8260B	ND		50	5.0	ug/L	1
Chloroform	67-66-3	8260B	ND		50	17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		50	3.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		50	9.8	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		50	6.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		50	17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		50	3.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		50	17	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		50	17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		50	17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		50	2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		50	3.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	3.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		50	5.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	8.1	J	50	2.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		50	4.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		50	3.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		50	3.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		50	3.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		50	17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		100	10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		50	10	ug/L	1
Methyl acetate	79-20-9	8260B	ND		50	7.2	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	4.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		100	8.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		50	9.5	ug/L	1
Methylene chloride	75-09-2	8260B	ND		50	17	ug/L	1
Styrene	100-42-5	8260B	ND		50	1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		50	4.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	440		50	4.0	ug/L	1
Toluene	108-88-3	8260B	ND		50	17	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-16
Date Sampled: 07/14/2014 1025
Date Received: 07/17/2014

Laboratory ID: PG18002-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	07/19/2014 1855	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		50	3.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		50	17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		50	2.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		50	3.0	ug/L	1
Trichloroethene	79-01-6	8260B	85		50	3.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		50	3.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		20	1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		50	17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-23
Date Sampled: 07/14/2014 1105
Date Received: 07/17/2014

Laboratory ID: PG18002-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1333	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.79	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	3.2	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-23
Date Sampled: 07/14/2014 1105
Date Received: 07/17/2014

Laboratory ID: PG18002-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1333	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-06
Date Sampled: 07/14/2014 1245
Date Received: 07/17/2014

Laboratory ID: PG18002-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/19/2014 1809	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	34	ug/L	1
Benzene	71-43-2	8260B	ND		25	1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	8.5	ug/L	1
Bromoform	75-25-2	8260B	ND		25	2.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	4.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	1.5	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	2.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	8.5	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	2.5	ug/L	1
Chloroform	67-66-3	8260B	ND		25	8.5	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	1.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	4.9	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	3.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	8.5	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	1.5	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	8.5	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	8.5	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	8.5	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	1.5	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.5	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	2.5	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	12	J	25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.5	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		25	8.5	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	5.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		25	5.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	3.6	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	2.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	4.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	4.8	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	8.5	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	2.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	290		25	2.0	ug/L	1
Toluene	108-88-3	8260B	ND		25	8.5	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-06
Date Sampled: 07/14/2014 1245
Date Received: 07/17/2014

Laboratory ID: PG18002-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/19/2014 1809	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	8.5	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	1.6	J	25	1.5	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	11	J	25	1.5	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-12
Date Sampled: 07/14/2014 0920
Date Received: 07/17/2014

Laboratory ID: PG18002-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1356	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	1.8	J	5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.95	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-12
Date Sampled: 07/14/2014 0920
Date Received: 07/17/2014

Laboratory ID: PG18002-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1356	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-11
Date Sampled: 07/14/2014 1000
Date Received: 07/17/2014

Laboratory ID: PG18002-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1419	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	3.3	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	0.95	J	5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.24	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	150		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-11
Date Sampled: 07/14/2014 1000
Date Received: 07/17/2014

Laboratory ID: PG18002-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1419	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	0.37	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-14
Date Sampled: 07/14/2014 1040
Date Received: 07/17/2014

Laboratory ID: PG18002-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1441	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.22	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	120		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-14
Date Sampled: 07/14/2014 1040
Date Received: 07/17/2014

Laboratory ID: PG18002-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1441	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-15
Date Sampled: 07/14/2014 1120
Date Received: 07/17/2014

Laboratory ID: PG18002-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1504	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	0.30	J	5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.21	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	52		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-15
Date Sampled: 07/14/2014 1120
Date Received: 07/17/2014

Laboratory ID: PG18002-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1504	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	0.58	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-13
Date Sampled: 07/14/2014 1210
Date Received: 07/17/2014

Laboratory ID: PG18002-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1527	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	0.63	J	5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.28	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	150		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-13
Date Sampled: 07/14/2014 1210
Date Received: 07/17/2014

Laboratory ID: PG18002-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/19/2014 1527	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	0.51	J	5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	0.46	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-20B
Date Sampled: 07/15/2014 1345
Date Received: 07/17/2014

Laboratory ID: PG18002-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/20/2014 1651	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	6.2		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-20B
Date Sampled: 07/15/2014 1345
Date Received: 07/17/2014

Laboratory ID: PG18002-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/20/2014 1651	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	0.52	J	5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-20C
Date Sampled: 07/15/2014 1405
Date Received: 07/17/2014

Laboratory ID: PG18002-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/20/2014 1713	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	0.42	J	5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	4.1	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	2.7	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-20C
Date Sampled: 07/15/2014 1405
Date Received: 07/17/2014

Laboratory ID: PG18002-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/20/2014 1713	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	0.11	J	2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-20A
Date Sampled: 07/15/2014 1610
Date Received: 07/17/2014

Laboratory ID: PG18002-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	07/20/2014 1932	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		2000	670	ug/L	1
Benzene	71-43-2	8260B	ND		500	20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		500	170	ug/L	1
Bromoform	75-25-2	8260B	ND		500	40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		500	80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		1000	180	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		500	30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		500	40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		500	170	ug/L	1
Chloroethane	75-00-3	8260B	ND		500	50	ug/L	1
Chloroform	67-66-3	8260B	ND		500	170	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		500	30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		500	98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		500	60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		500	170	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		500	30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		500	170	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		500	170	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		500	170	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		500	20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		500	30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		500	30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		500	50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		500	20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		500	40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		500	30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		500	30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		500	30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		500	170	ug/L	1
2-Hexanone	591-78-6	8260B	ND		1000	100	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		500	100	ug/L	1
Methyl acetate	79-20-9	8260B	ND		500	72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		500	40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		1000	80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		500	95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		500	170	ug/L	1
Styrene	100-42-5	8260B	ND		500	10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		500	40	ug/L	1
Tetrachloroethene	127-18-4	8260B	5100		500	40	ug/L	1
Toluene	108-88-3	8260B	ND		500	170	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-20A
Date Sampled: 07/15/2014 1610
Date Received: 07/17/2014

Laboratory ID: PG18002-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	07/20/2014 1932	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	82	J	500	30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		500	170	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		500	20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		500	30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		500	30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		500	30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		200	10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		500	170	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-21A
Date Sampled: 07/15/2014 1555
Date Received: 07/17/2014

Laboratory ID: PG18002-015
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/20/2014 1824	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		400	130	ug/L	1
Benzene	71-43-2	8260B	ND		100	4.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		100	34	ug/L	1
Bromoform	75-25-2	8260B	ND		100	8.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		100	16	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		200	36	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		100	6.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		100	8.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		100	34	ug/L	1
Chloroethane	75-00-3	8260B	ND		100	10	ug/L	1
Chloroform	67-66-3	8260B	ND		100	34	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		100	6.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		100	20	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		100	12	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		100	34	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		100	6.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		100	34	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		100	34	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		100	34	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		100	4.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		100	6.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	6.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		100	10	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		100	4.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		100	8.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		100	6.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		100	6.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		100	6.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		100	34	ug/L	1
2-Hexanone	591-78-6	8260B	ND		200	20	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		100	20	ug/L	1
Methyl acetate	79-20-9	8260B	ND		100	14	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	8.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	16	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		100	19	ug/L	1
Methylene chloride	75-09-2	8260B	ND		100	34	ug/L	1
Styrene	100-42-5	8260B	ND		100	2.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		100	8.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	1900		100	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		100	34	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-21A
Date Sampled: 07/15/2014 1555
Date Received: 07/17/2014

Laboratory ID: PG18002-015
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/20/2014 1824	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		100	6.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		100	34	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		100	4.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		100	6.0	ug/L	1
Trichloroethene	79-01-6	8260B	11	J	100	6.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		100	6.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		40	2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		100	34	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-23C
Date Sampled: 07/16/2014 1015
Date Received: 07/17/2014

Laboratory ID: PG18002-016
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/20/2014 1847	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		400	130	ug/L	1
Benzene	71-43-2	8260B	ND		100	4.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		100	34	ug/L	1
Bromoform	75-25-2	8260B	ND		100	8.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		100	16	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		200	36	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		100	6.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		100	8.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		100	34	ug/L	1
Chloroethane	75-00-3	8260B	ND		100	10	ug/L	1
Chloroform	67-66-3	8260B	ND		100	34	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		100	6.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		100	20	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		100	12	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		100	34	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		100	6.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		100	34	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		100	34	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		100	34	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		100	4.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		100	6.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	6.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		100	10	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		100	4.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		100	8.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		100	6.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		100	6.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		100	6.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		100	34	ug/L	1
2-Hexanone	591-78-6	8260B	ND		200	20	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		100	20	ug/L	1
Methyl acetate	79-20-9	8260B	ND		100	14	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	8.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	16	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		100	19	ug/L	1
Methylene chloride	75-09-2	8260B	ND		100	34	ug/L	1
Styrene	100-42-5	8260B	ND		100	2.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		100	8.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	2700		100	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		100	34	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-23C
Date Sampled: 07/16/2014 1015
Date Received: 07/17/2014

Laboratory ID: PG18002-016
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/20/2014 1847	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		100	6.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		100	34	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		100	4.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		100	6.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		100	6.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		100	6.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		40	2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		100	34	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-23B
Date Sampled: 07/16/2014 0935
Date Received: 07/17/2014

Laboratory ID: PG18002-017
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/20/2014 1910	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		400	130	ug/L	1
Benzene	71-43-2	8260B	ND		100	4.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		100	34	ug/L	1
Bromoform	75-25-2	8260B	ND		100	8.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		100	16	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		200	36	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		100	6.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		100	8.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		100	34	ug/L	1
Chloroethane	75-00-3	8260B	ND		100	10	ug/L	1
Chloroform	67-66-3	8260B	ND		100	34	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		100	6.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		100	20	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		100	12	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		100	34	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		100	6.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		100	34	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		100	34	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		100	34	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		100	4.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		100	6.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	6.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		100	10	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		100	4.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		100	8.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		100	6.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		100	6.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		100	6.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		100	34	ug/L	1
2-Hexanone	591-78-6	8260B	ND		200	20	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		100	20	ug/L	1
Methyl acetate	79-20-9	8260B	ND		100	14	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	8.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	16	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		100	19	ug/L	1
Methylene chloride	75-09-2	8260B	ND		100	34	ug/L	1
Styrene	100-42-5	8260B	ND		100	2.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		100	8.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	3100		100	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		100	34	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-23B
Date Sampled: 07/16/2014 0935
Date Received: 07/17/2014

Laboratory ID: PG18002-017
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/20/2014 1910	EH1		51850

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		100	6.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		100	34	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		100	4.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		100	6.0	ug/L	1
Trichloroethene	79-01-6	8260B	9.1	J	100	6.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		100	6.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		40	2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		100	34	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		96	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-23A
Date Sampled: 07/16/2014 1110
Date Received: 07/17/2014

Laboratory ID: PG18002-018
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	07/22/2014 0552	PMM2		51986

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		2000	670	ug/L	1
Benzene	71-43-2	8260B	ND		500	20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		500	170	ug/L	1
Bromoform	75-25-2	8260B	ND		500	40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		500	80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		1000	180	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		500	30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		500	40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		500	170	ug/L	1
Chloroethane	75-00-3	8260B	ND		500	50	ug/L	1
Chloroform	67-66-3	8260B	ND		500	170	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		500	30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		500	98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		500	60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		500	170	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		500	30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		500	170	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		500	170	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		500	170	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		500	20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		500	30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		500	30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		500	50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		500	20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		500	40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		500	30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		500	30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		500	30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		500	170	ug/L	1
2-Hexanone	591-78-6	8260B	ND		1000	100	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		500	100	ug/L	1
Methyl acetate	79-20-9	8260B	ND		500	72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		500	40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		1000	80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		500	95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		500	170	ug/L	1
Styrene	100-42-5	8260B	ND		500	10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		500	40	ug/L	1
Tetrachloroethene	127-18-4	8260B	9500		500	40	ug/L	1
Toluene	108-88-3	8260B	ND		500	170	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-23A
Date Sampled: 07/16/2014 1110
Date Received: 07/17/2014

Laboratory ID: PG18002-018
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	07/22/2014 0552	PMM2		51986

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		500	30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		500	170	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		500	20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		500	30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		500	30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		500	30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		200	10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		500	170	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-22A
Date Sampled: 07/16/2014 1035
Date Received: 07/17/2014

Laboratory ID: PG18002-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/19/2014 1917	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		400	130	ug/L	1
Benzene	71-43-2	8260B	ND		100	4.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		100	34	ug/L	1
Bromoform	75-25-2	8260B	ND		100	8.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		100	16	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		200	36	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		100	6.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		100	8.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		100	34	ug/L	1
Chloroethane	75-00-3	8260B	ND		100	10	ug/L	1
Chloroform	67-66-3	8260B	ND		100	34	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		100	6.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		100	20	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		100	12	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		100	34	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		100	6.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		100	34	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		100	34	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		100	34	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		100	4.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		100	6.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	6.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		100	10	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		100	4.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		100	8.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		100	6.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		100	6.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		100	6.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		100	34	ug/L	1
2-Hexanone	591-78-6	8260B	ND		200	20	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		100	20	ug/L	1
Methyl acetate	79-20-9	8260B	ND		100	14	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	8.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	16	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		100	19	ug/L	1
Methylene chloride	75-09-2	8260B	ND		100	34	ug/L	1
Styrene	100-42-5	8260B	ND		100	2.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		100	8.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	1400		100	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		100	34	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-22A
Date Sampled: 07/16/2014 1035
Date Received: 07/17/2014

Laboratory ID: PG18002-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/19/2014 1917	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		100	6.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		100	34	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		100	4.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		100	6.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		100	6.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		100	6.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		40	2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		100	34	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-16C
Date Sampled: 07/16/2014 1355
Date Received: 07/17/2014

Laboratory ID: PG18002-020
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/21/2014 2327	PMM2		51986

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	100		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-16C
Date Sampled: 07/16/2014 1355
Date Received: 07/17/2014

Laboratory ID: PG18002-020
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/21/2014 2327	PMM2		51986

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-16B
Date Sampled: 07/16/2014 1340
Date Received: 07/17/2014

Laboratory ID: PG18002-021
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/21/2014 2350	PMM2		51986
2	5030B	8260B	5	07/22/2014 2214	PMM2		52104

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	0.60	J	5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	200		25	2.0	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-16B
Date Sampled: 07/16/2014 1340
Date Received: 07/17/2014

Laboratory ID: PG18002-021
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/21/2014 2350	PMM2		51986
2	5030B	8260B	5	07/22/2014 2214	PMM2		52104

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	0.56	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130		108	70-130
Bromofluorobenzene		99	70-130		114	70-130
Toluene-d8		98	70-130		111	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-10B
Date Sampled: 07/17/2014 0935
Date Received: 07/17/2014

Laboratory ID: PG18002-022
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1246	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	1.4	J	5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	3.2	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	1.9	J	10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	21		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-10B
Date Sampled: 07/17/2014 0935
Date Received: 07/17/2014

Laboratory ID: PG18002-022
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1246	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-10C
Date Sampled: 07/17/2014 0955
Date Received: 07/17/2014

Laboratory ID: PG18002-023
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1310	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	5.3		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	2.1	J	10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	5.8		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-10C
Date Sampled: 07/17/2014 0955
Date Received: 07/17/2014

Laboratory ID: PG18002-023
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1310	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-10A
Date Sampled: 07/17/2014 1010
Date Received: 07/17/2014

Laboratory ID: PG18002-024
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	07/23/2014 1447	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		200	67	ug/L	1
Benzene	71-43-2	8260B	ND		50	2.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		50	17	ug/L	1
Bromoform	75-25-2	8260B	ND		50	4.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		50	8.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		100	18	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		50	3.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		50	4.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		50	17	ug/L	1
Chloroethane	75-00-3	8260B	ND		50	5.0	ug/L	1
Chloroform	67-66-3	8260B	ND		50	17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		50	3.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		50	9.8	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		50	6.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		50	17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		50	3.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		50	17	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		50	17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		50	17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		50	2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		50	3.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	3.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		50	5.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		50	2.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		50	4.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		50	3.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		50	3.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		50	3.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		50	17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		100	10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		50	10	ug/L	1
Methyl acetate	79-20-9	8260B	ND		50	7.2	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	4.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		100	8.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		50	9.5	ug/L	1
Methylene chloride	75-09-2	8260B	ND		50	17	ug/L	1
Styrene	100-42-5	8260B	ND		50	1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		50	4.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	680		50	4.0	ug/L	1
Toluene	108-88-3	8260B	ND		50	17	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-10A
Date Sampled: 07/17/2014 1010
Date Received: 07/17/2014

Laboratory ID: PG18002-024
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	07/23/2014 1447	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		50	3.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		50	17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		50	2.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		50	3.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		50	3.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		50	3.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		20	1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		50	17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-15A
Date Sampled: 07/17/2014 1140
Date Received: 07/17/2014

Laboratory ID: PG18002-025
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/23/2014 1511	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	34	ug/L	1
Benzene	71-43-2	8260B	ND		25	1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	8.5	ug/L	1
Bromoform	75-25-2	8260B	ND		25	2.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	4.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	1.5	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	2.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	8.5	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	2.5	ug/L	1
Chloroform	67-66-3	8260B	16	J	25	8.5	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	1.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	4.9	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	3.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	8.5	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	1.5	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	8.5	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	8.5	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	8.5	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	1.5	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.5	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	2.5	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.5	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		25	8.5	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	5.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		25	5.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	3.6	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	2.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	4.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	4.8	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	8.5	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	2.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	240		25	2.0	ug/L	1
Toluene	108-88-3	8260B	ND		25	8.5	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-15A
Date Sampled: 07/17/2014 1140
Date Received: 07/17/2014

Laboratory ID: PG18002-025
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/23/2014 1511	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	8.5	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	ND		25	1.5	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		25	1.5	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-16A
Date Sampled: 07/17/2014 1240
Date Received: 07/17/2014

Laboratory ID: PG18002-026
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	07/23/2014 1536	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		2000	670	ug/L	1
Benzene	71-43-2	8260B	ND		500	20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		500	170	ug/L	1
Bromoform	75-25-2	8260B	ND		500	40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		500	80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		1000	180	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		500	30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		500	40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		500	170	ug/L	1
Chloroethane	75-00-3	8260B	ND		500	50	ug/L	1
Chloroform	67-66-3	8260B	ND		500	170	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		500	30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		500	98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		500	60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		500	170	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		500	30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		500	170	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		500	170	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		500	170	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		500	20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		500	30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		500	30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		500	50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		500	20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		500	40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		500	30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		500	30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		500	30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		500	170	ug/L	1
2-Hexanone	591-78-6	8260B	ND		1000	100	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		500	100	ug/L	1
Methyl acetate	79-20-9	8260B	ND		500	72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		500	40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		1000	80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		500	95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		500	170	ug/L	1
Styrene	100-42-5	8260B	ND		500	10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		500	40	ug/L	1
Tetrachloroethene	127-18-4	8260B	4600		500	40	ug/L	1
Toluene	108-88-3	8260B	ND		500	170	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-16A
Date Sampled: 07/17/2014 1240
Date Received: 07/17/2014

Laboratory ID: PG18002-026
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	07/23/2014 1536	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		500	30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		500	170	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		500	20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		500	30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		500	30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		500	30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		200	10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		500	170	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-15B
Date Sampled: 07/17/2014 1315
Date Received: 07/17/2014

Laboratory ID: PG18002-027
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1334	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	3.8	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	1.8	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	1.7	J	5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-15B
Date Sampled: 07/17/2014 1315
Date Received: 07/17/2014

Laboratory ID: PG18002-027
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1334	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RBLK-14301
Date Sampled: 07/17/2014 0810
Date Received: 07/17/2014

Laboratory ID: PG18002-028
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1222	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	34		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	3.2	J	5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RBLK-14301
Date Sampled: 07/17/2014 0810
Date Received: 07/17/2014

Laboratory ID: PG18002-028
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1222	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DU-14302
Date Sampled: 07/14/2014
Date Received: 07/17/2014

Laboratory ID: PG18002-029
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/19/2014 1832	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	34	ug/L	1
Benzene	71-43-2	8260B	ND		25	1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	8.5	ug/L	1
Bromoform	75-25-2	8260B	ND		25	2.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	4.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	1.5	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	2.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	8.5	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	2.5	ug/L	1
Chloroform	67-66-3	8260B	ND		25	8.5	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	1.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	4.9	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	3.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	8.5	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	1.5	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	8.5	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	8.5	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	8.5	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	1.5	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.5	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	2.5	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.5	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		25	8.5	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	5.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		25	5.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	3.6	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	2.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	4.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	4.8	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	8.5	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	2.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	190		25	2.0	ug/L	1
Toluene	108-88-3	8260B	ND		25	8.5	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DU-14302
Date Sampled: 07/14/2014
Date Received: 07/17/2014

Laboratory ID: PG18002-029
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/19/2014 1832	ALL		51825

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	8.5	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	ND		25	1.5	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		25	1.5	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51825-001
Batch: 51825
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	07/19/2014 1138
Benzene	ND		1	5.0	0.20	ug/L	07/19/2014 1138
Bromodichloromethane	ND		1	5.0	1.7	ug/L	07/19/2014 1138
Bromoform	ND		1	5.0	0.40	ug/L	07/19/2014 1138
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	07/19/2014 1138
2-Butanone (MEK)	ND		1	10	1.8	ug/L	07/19/2014 1138
Carbon disulfide	ND		1	5.0	0.30	ug/L	07/19/2014 1138
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	07/19/2014 1138
Chlorobenzene	ND		1	5.0	1.7	ug/L	07/19/2014 1138
Chloroethane	ND		1	5.0	0.50	ug/L	07/19/2014 1138
Chloroform	ND		1	5.0	1.7	ug/L	07/19/2014 1138
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	07/19/2014 1138
Cyclohexane	ND		1	5.0	0.98	ug/L	07/19/2014 1138
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	07/19/2014 1138
Dibromochloromethane	ND		1	5.0	1.7	ug/L	07/19/2014 1138
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	07/19/2014 1138
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/19/2014 1138
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/19/2014 1138
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/19/2014 1138
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	07/19/2014 1138
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	07/19/2014 1138
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	07/19/2014 1138
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	07/19/2014 1138
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	07/19/2014 1138
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	07/19/2014 1138
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	07/19/2014 1138
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/19/2014 1138
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/19/2014 1138
Ethylbenzene	ND		1	5.0	1.7	ug/L	07/19/2014 1138
2-Hexanone	ND		1	10	1.0	ug/L	07/19/2014 1138
Isopropylbenzene	ND		1	5.0	1.0	ug/L	07/19/2014 1138
Methyl acetate	ND		1	5.0	0.72	ug/L	07/19/2014 1138
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	07/19/2014 1138
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	07/19/2014 1138
Methylcyclohexane	ND		1	5.0	0.95	ug/L	07/19/2014 1138
Methylene chloride	ND		1	5.0	1.7	ug/L	07/19/2014 1138
Styrene	ND		1	5.0	0.10	ug/L	07/19/2014 1138
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	07/19/2014 1138
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/19/2014 1138
Toluene	ND		1	5.0	1.7	ug/L	07/19/2014 1138
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	07/19/2014 1138
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	07/19/2014 1138
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	07/19/2014 1138
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	07/19/2014 1138

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51825-001
Batch: 51825
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	07/19/2014 1138
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	07/19/2014 1138
Vinyl chloride	ND		1	2.0	0.10	ug/L	07/19/2014 1138
Xylenes (total)	ND		1	5.0	1.7	ug/L	07/19/2014 1138

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51825-002
Batch: 51825
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	77		1	77	60-140	07/19/2014 1002
Benzene	50	50		1	100	70-130	07/19/2014 1002
Bromodichloromethane	50	51		1	103	70-130	07/19/2014 1002
Bromoform	50	55		1	109	70-130	07/19/2014 1002
Bromomethane (Methyl bromide)	50	47		1	94	60-140	07/19/2014 1002
2-Butanone (MEK)	100	92		1	92	60-140	07/19/2014 1002
Carbon disulfide	50	49		1	98	60-140	07/19/2014 1002
Carbon tetrachloride	50	49		1	98	70-130	07/19/2014 1002
Chlorobenzene	50	51		1	102	70-130	07/19/2014 1002
Chloroethane	50	47		1	93	42-163	07/19/2014 1002
Chloroform	50	50		1	101	70-130	07/19/2014 1002
Chloromethane (Methyl chloride)	50	46		1	91	60-140	07/19/2014 1002
Cyclohexane	50	48		1	96	70-130	07/19/2014 1002
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	93	70-130	07/19/2014 1002
Dibromochloromethane	50	53		1	105	70-130	07/19/2014 1002
1,2-Dibromoethane (EDB)	50	52		1	104	70-130	07/19/2014 1002
1,4-Dichlorobenzene	50	50		1	100	70-130	07/19/2014 1002
1,3-Dichlorobenzene	50	51		1	101	70-130	07/19/2014 1002
1,2-Dichlorobenzene	50	50		1	100	70-130	07/19/2014 1002
Dichlorodifluoromethane	50	49		1	99	60-140	07/19/2014 1002
1,1-Dichloroethane	50	49		1	98	70-130	07/19/2014 1002
1,2-Dichloroethane	50	49		1	98	70-130	07/19/2014 1002
cis-1,2-Dichloroethene	50	50		1	100	70-130	07/19/2014 1002
1,1-Dichloroethene	50	49		1	99	70-130	07/19/2014 1002
trans-1,2-Dichloroethene	50	50		1	99	70-130	07/19/2014 1002
1,2-Dichloropropane	50	49		1	98	70-130	07/19/2014 1002
cis-1,3-Dichloropropene	50	54		1	107	70-130	07/19/2014 1002
trans-1,3-Dichloropropene	50	49		1	97	70-130	07/19/2014 1002
Ethylbenzene	50	51		1	103	70-130	07/19/2014 1002
2-Hexanone	100	100		1	100	60-140	07/19/2014 1002
Isopropylbenzene	50	52		1	105	70-130	07/19/2014 1002
Methyl acetate	50	45		1	90	70-130	07/19/2014 1002
Methyl tertiary butyl ether (MTBE)	50	54		1	107	70-130	07/19/2014 1002
4-Methyl-2-pentanone	100	97		1	97	60-140	07/19/2014 1002
Methylcyclohexane	50	51		1	101	70-130	07/19/2014 1002
Methylene chloride	50	46		1	92	70-130	07/19/2014 1002
Styrene	50	54		1	108	70-130	07/19/2014 1002
1,1,2,2-Tetrachloroethane	50	51		1	103	70-130	07/19/2014 1002
Tetrachloroethene	50	49		1	99	70-130	07/19/2014 1002
Toluene	50	51		1	103	70-130	07/19/2014 1002
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	70-130	07/19/2014 1002
1,2,4-Trichlorobenzene	50	48		1	95	70-130	07/19/2014 1002
1,1,1-Trichloroethane	50	48		1	95	70-130	07/19/2014 1002
1,1,2-Trichloroethane	50	49		1	98	70-130	07/19/2014 1002

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51825-002
Batch: 51825
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	98	70-130	07/19/2014 1002
Trichlorofluoromethane	50	50		1	100	70-130	07/19/2014 1002
Vinyl chloride	50	48		1	96	70-130	07/19/2014 1002
Xylenes (total)	100	110		1	106	70-130	07/19/2014 1002

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51825-003
Batch: 51825
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	76		1	76	1.7	60-140	20	07/19/2014 1025
Benzene	50	51		1	103	3.2	70-130	20	07/19/2014 1025
Bromodichloromethane	50	52		1	103	0.36	70-130	20	07/19/2014 1025
Bromoform	50	53		1	107	2.1	70-130	20	07/19/2014 1025
Bromomethane (Methyl bromide)	50	44		1	89	5.3	60-140	20	07/19/2014 1025
2-Butanone (MEK)	100	91		1	91	0.98	60-140	20	07/19/2014 1025
Carbon disulfide	50	49		1	98	0.45	60-140	20	07/19/2014 1025
Carbon tetrachloride	50	50		1	99	0.93	70-130	20	07/19/2014 1025
Chlorobenzene	50	52		1	104	1.6	70-130	20	07/19/2014 1025
Chloroethane	50	45		1	89	4.8	42-163	20	07/19/2014 1025
Chloroform	50	50		1	101	0.082	70-130	20	07/19/2014 1025
Chloromethane (Methyl chloride)	50	44		1	89	2.8	60-140	20	07/19/2014 1025
Cyclohexane	50	47		1	95	0.84	70-130	20	07/19/2014 1025
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	95	2.3	70-130	20	07/19/2014 1025
Dibromochloromethane	50	53		1	106	0.62	70-130	20	07/19/2014 1025
1,2-Dibromoethane (EDB)	50	52		1	103	1.1	70-130	20	07/19/2014 1025
1,4-Dichlorobenzene	50	51		1	101	1.3	70-130	20	07/19/2014 1025
1,3-Dichlorobenzene	50	51		1	103	1.6	70-130	20	07/19/2014 1025
1,2-Dichlorobenzene	50	50		1	101	0.50	70-130	20	07/19/2014 1025
Dichlorodifluoromethane	50	49		1	98	0.91	60-140	20	07/19/2014 1025
1,1-Dichloroethane	50	49		1	99	0.75	70-130	20	07/19/2014 1025
1,2-Dichloroethane	50	48		1	97	1.2	70-130	20	07/19/2014 1025
cis-1,2-Dichloroethene	50	49		1	99	1.8	70-130	20	07/19/2014 1025
1,1-Dichloroethene	50	50		1	99	0.64	70-130	20	07/19/2014 1025
trans-1,2-Dichloroethene	50	50		1	99	0.15	70-130	20	07/19/2014 1025
1,2-Dichloropropane	50	50		1	100	2.9	70-130	20	07/19/2014 1025
cis-1,3-Dichloropropene	50	55		1	109	1.9	70-130	20	07/19/2014 1025
trans-1,3-Dichloropropene	50	49		1	98	0.96	70-130	20	07/19/2014 1025
Ethylbenzene	50	52		1	105	1.9	70-130	20	07/19/2014 1025
2-Hexanone	100	100		1	103	3.0	60-140	20	07/19/2014 1025
Isopropylbenzene	50	53		1	107	1.6	70-130	20	07/19/2014 1025
Methyl acetate	50	44		1	88	3.0	70-130	20	07/19/2014 1025
Methyl tertiary butyl ether (MTBE)	50	52		1	104	3.4	70-130	20	07/19/2014 1025
4-Methyl-2-pentanone	100	98		1	98	1.4	60-140	20	07/19/2014 1025
Methylcyclohexane	50	51		1	103	1.4	70-130	20	07/19/2014 1025
Methylene chloride	50	45		1	91	1.5	70-130	20	07/19/2014 1025
Styrene	50	54		1	109	1.3	70-130	20	07/19/2014 1025
1,1,2,2-Tetrachloroethane	50	52		1	103	0.29	70-130	20	07/19/2014 1025
Tetrachloroethene	50	51		1	102	3.2	70-130	20	07/19/2014 1025
Toluene	50	53		1	105	2.7	70-130	20	07/19/2014 1025
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	98	5.1	70-130	20	07/19/2014 1025
1,2,4-Trichlorobenzene	50	47		1	94	1.3	70-130	20	07/19/2014 1025
1,1,1-Trichloroethane	50	48		1	96	0.61	70-130	20	07/19/2014 1025
1,1,2-Trichloroethane	50	49		1	99	0.85	70-130	20	07/19/2014 1025

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51825-003
Batch: 51825
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	100	2.1	70-130	20	07/19/2014 1025
Trichlorofluoromethane	50	49		1	99	1.4	70-130	20	07/19/2014 1025
Vinyl chloride	50	47		1	94	2.1	70-130	20	07/19/2014 1025
Xylenes (total)	100	110		1	107	0.49	70-130	20	07/19/2014 1025

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG18002-019MS
Batch: 51825
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	2000	1500		20	76	60-140	07/19/2014 1941
Benzene	ND	1000	1100		20	109	70-130	07/19/2014 1941
Bromodichloromethane	ND	1000	1100		20	110	71-143	07/19/2014 1941
Bromoform	ND	1000	1100		20	110	65-131	07/19/2014 1941
Bromomethane (Methyl bromide)	ND	1000	980		20	98	36-168	07/19/2014 1941
2-Butanone (MEK)	ND	2000	1800		20	90	60-140	07/19/2014 1941
Carbon disulfide	ND	1000	1100		20	109	60-140	07/19/2014 1941
Carbon tetrachloride	ND	1000	1100		20	113	37-166	07/19/2014 1941
Chlorobenzene	ND	1000	1100		20	107	78-129	07/19/2014 1941
Chloroethane	ND	1000	1000		20	100	60-140	07/19/2014 1941
Chloroform	ND	1000	1100		20	110	63-123	07/19/2014 1941
Chloromethane (Methyl chloride)	ND	1000	1000		20	104	20-158	07/19/2014 1941
Cyclohexane	ND	1000	1100		20	107	70-130	07/19/2014 1941
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	920		20	92	70-130	07/19/2014 1941
Dibromochloromethane	ND	1000	1100		20	109	74-134	07/19/2014 1941
1,2-Dibromoethane (EDB)	ND	1000	1000		20	105	70-130	07/19/2014 1941
1,2-Dichlorobenzene	ND	1000	1000		20	104	70-130	07/19/2014 1941
1,3-Dichlorobenzene	ND	1000	1100		20	107	70-130	07/19/2014 1941
1,4-Dichlorobenzene	ND	1000	1000		20	104	70-130	07/19/2014 1941
Dichlorodifluoromethane	ND	1000	1200		20	115	10-158	07/19/2014 1941
1,1-Dichloroethane	ND	1000	1100		20	109	69-132	07/19/2014 1941
1,2-Dichloroethane	ND	1000	1100		20	107	70-130	07/19/2014 1941
1,1-Dichloroethene	ND	1000	1100		20	112	50-132	07/19/2014 1941
cis-1,2-Dichloroethene	ND	1000	1100		20	107	70-130	07/19/2014 1941
trans-1,2-Dichloroethene	ND	1000	1100		20	110	70-130	07/19/2014 1941
1,2-Dichloropropane	ND	1000	1100		20	107	71-126	07/19/2014 1941
cis-1,3-Dichloropropene	ND	1000	1100		20	109	69-130	07/19/2014 1941
trans-1,3-Dichloropropene	ND	1000	970		20	97	73-131	07/19/2014 1941
Ethylbenzene	ND	1000	1100		20	110	70-130	07/19/2014 1941
2-Hexanone	ND	2000	2100		20	105	60-140	07/19/2014 1941
Isopropylbenzene	ND	1000	1100		20	112	70-130	07/19/2014 1941
Methyl acetate	ND	1000	910		20	91	15-128	07/19/2014 1941
Methyl tertiary butyl ether (MTBE)	ND	1000	1100		20	110	70-130	07/19/2014 1941
4-Methyl-2-pentanone	ND	2000	2000		20	101	60-140	07/19/2014 1941
Methylcyclohexane	ND	1000	1100		20	112	70-130	07/19/2014 1941
Methylene chloride	ND	1000	980		20	97	69-129	07/19/2014 1941
Styrene	ND	1000	1100		20	113	70-130	07/19/2014 1941
1,1,2,2-Tetrachloroethane	ND	1000	1000		20	100	60-155	07/19/2014 1941
Tetrachloroethene	1400	1000	2500		20	108	70-130	07/19/2014 1941
Toluene	ND	1000	1100		20	112	70-130	07/19/2014 1941
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	1100		20	113	70-130	07/19/2014 1941
1,2,4-Trichlorobenzene	ND	1000	970		20	97	70-130	07/19/2014 1941
1,1,1-Trichloroethane	ND	1000	1100		20	108	77-132	07/19/2014 1941
1,1,2-Trichloroethane	ND	1000	1000		20	101	77-132	07/19/2014 1941

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG18002-019MS
Batch: 51825
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	1000	1100		20	111	73-124	07/19/2014 1941
Trichlorofluoromethane	ND	1000	1100		20	113	60-140	07/19/2014 1941
Vinyl chloride	ND	1000	1100		20	109	29-159	07/19/2014 1941
Xylenes (total)	ND	2000	2200		20	112	70-130	07/19/2014 1941

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG18002-019MD
Batch: 51825
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	2000	1600		20	78	2.5	60-140	20	07/19/2014 2003
Benzene	ND	1000	1100		20	109	0.61	70-130	20	07/19/2014 2003
Bromodichloromethane	ND	1000	1100		20	110	0.048	71-143	20	07/19/2014 2003
Bromoform	ND	1000	1100		20	113	2.5	65-131	20	07/19/2014 2003
Bromomethane (Methyl bromide)	ND	1000	1000		20	102	4.5	36-168	20	07/19/2014 2003
2-Butanone (MEK)	ND	2000	1900		20	94	3.6	60-140	20	07/19/2014 2003
Carbon disulfide	ND	1000	1100		20	110	0.70	60-140	20	07/19/2014 2003
Carbon tetrachloride	ND	1000	1100		20	114	1.3	37-166	20	07/19/2014 2003
Chlorobenzene	ND	1000	1100		20	108	0.85	78-129	20	07/19/2014 2003
Chloroethane	ND	1000	1100		20	105	4.5	60-140	20	07/19/2014 2003
Chloroform	ND	1000	1100		20	109	0.89	63-123	20	07/19/2014 2003
Chloromethane (Methyl chloride)	ND	1000	1000		20	105	0.48	20-158	20	07/19/2014 2003
Cyclohexane	ND	1000	1100		20	110	3.1	70-130	20	07/19/2014 2003
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	950		20	95	2.8	70-130	20	07/19/2014 2003
Dibromochloromethane	ND	1000	1100		20	111	1.8	74-134	20	07/19/2014 2003
1,2-Dibromoethane (EDB)	ND	1000	1100		20	107	2.0	70-130	20	07/19/2014 2003
1,2-Dichlorobenzene	ND	1000	1000		20	103	0.91	70-130	20	07/19/2014 2003
1,3-Dichlorobenzene	ND	1000	1100		20	108	0.39	70-130	20	07/19/2014 2003
1,4-Dichlorobenzene	ND	1000	1000		20	105	1.4	70-130	20	07/19/2014 2003
Dichlorodifluoromethane	ND	1000	1100		20	107	7.1	10-158	20	07/19/2014 2003
1,1-Dichloroethane	ND	1000	1100		20	108	1.0	69-132	20	07/19/2014 2003
1,2-Dichloroethane	ND	1000	1100		20	106	1.1	70-130	20	07/19/2014 2003
1,1-Dichloroethene	ND	1000	1100		20	111	1.5	50-132	20	07/19/2014 2003
cis-1,2-Dichloroethene	ND	1000	1100		20	105	2.0	70-130	20	07/19/2014 2003
trans-1,2-Dichloroethene	ND	1000	1100		20	110	0.28	70-130	20	07/19/2014 2003
1,2-Dichloropropane	ND	1000	1100		20	107	0.25	71-126	20	07/19/2014 2003
cis-1,3-Dichloropropene	ND	1000	1100		20	111	1.7	69-130	20	07/19/2014 2003
trans-1,3-Dichloropropene	ND	1000	990		20	99	2.5	73-131	20	07/19/2014 2003
Ethylbenzene	ND	1000	1100		20	112	1.0	70-130	20	07/19/2014 2003
2-Hexanone	ND	2000	2100		20	107	2.7	60-140	20	07/19/2014 2003
Isopropylbenzene	ND	1000	1200		20	117	4.1	70-130	20	07/19/2014 2003
Methyl acetate	ND	1000	890		20	89	3.0	15-128	20	07/19/2014 2003
Methyl tertiary butyl ether (MTBE)	ND	1000	1100		20	109	0.74	70-130	20	07/19/2014 2003
4-Methyl-2-pentanone	ND	2000	2000		20	102	1.6	60-140	20	07/19/2014 2003
Methylcyclohexane	ND	1000	1100		20	107	5.1	70-130	20	07/19/2014 2003
Methylene chloride	ND	1000	960		20	96	1.6	69-129	20	07/19/2014 2003
Styrene	ND	1000	1100		20	115	1.8	70-130	20	07/19/2014 2003
1,1,2,2-Tetrachloroethane	ND	1000	1000		20	105	4.7	60-155	20	07/19/2014 2003
Tetrachloroethene	1400	1000	2600		20	112	1.4	70-130	20	07/19/2014 2003
Toluene	ND	1000	1100		20	112	0.28	70-130	20	07/19/2014 2003
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	1100		20	110	2.7	70-130	20	07/19/2014 2003
1,2,4-Trichlorobenzene	ND	1000	1000		20	105	7.9	70-130	20	07/19/2014 2003
1,1,1-Trichloroethane	ND	1000	1100		20	112	3.2	77-132	20	07/19/2014 2003
1,1,2-Trichloroethane	ND	1000	1000		20	102	1.0	77-132	20	07/19/2014 2003

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG18002-019MD
Batch: 51825
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	1000	1100		20	111	0.69	73-124	20	07/19/2014 2003
Trichlorofluoromethane	ND	1000	1100		20	112	0.53	60-140	20	07/19/2014 2003
Vinyl chloride	ND	1000	1100		20	109	0.031	29-159	20	07/19/2014 2003
Xylenes (total)	ND	2000	2300		20	113	0.72	70-130	20	07/19/2014 2003

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51850-001
Batch: 51850
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	07/20/2014 1241
Benzene	ND		1	5.0	0.20	ug/L	07/20/2014 1241
Bromodichloromethane	ND		1	5.0	1.7	ug/L	07/20/2014 1241
Bromoform	ND		1	5.0	0.40	ug/L	07/20/2014 1241
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	07/20/2014 1241
2-Butanone (MEK)	ND		1	10	1.8	ug/L	07/20/2014 1241
Carbon disulfide	ND		1	5.0	0.30	ug/L	07/20/2014 1241
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	07/20/2014 1241
Chlorobenzene	ND		1	5.0	1.7	ug/L	07/20/2014 1241
Chloroethane	ND		1	5.0	0.50	ug/L	07/20/2014 1241
Chloroform	ND		1	5.0	1.7	ug/L	07/20/2014 1241
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	07/20/2014 1241
Cyclohexane	ND		1	5.0	0.98	ug/L	07/20/2014 1241
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	07/20/2014 1241
Dibromochloromethane	ND		1	5.0	1.7	ug/L	07/20/2014 1241
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	07/20/2014 1241
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/20/2014 1241
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/20/2014 1241
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/20/2014 1241
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	07/20/2014 1241
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	07/20/2014 1241
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	07/20/2014 1241
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	07/20/2014 1241
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	07/20/2014 1241
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	07/20/2014 1241
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	07/20/2014 1241
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/20/2014 1241
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/20/2014 1241
Ethylbenzene	ND		1	5.0	1.7	ug/L	07/20/2014 1241
2-Hexanone	ND		1	10	1.0	ug/L	07/20/2014 1241
Isopropylbenzene	ND		1	5.0	1.0	ug/L	07/20/2014 1241
Methyl acetate	ND		1	5.0	0.72	ug/L	07/20/2014 1241
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	07/20/2014 1241
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	07/20/2014 1241
Methylcyclohexane	ND		1	5.0	0.95	ug/L	07/20/2014 1241
Methylene chloride	ND		1	5.0	1.7	ug/L	07/20/2014 1241
Styrene	ND		1	5.0	0.10	ug/L	07/20/2014 1241
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	07/20/2014 1241
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/20/2014 1241
Toluene	ND		1	5.0	1.7	ug/L	07/20/2014 1241
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	07/20/2014 1241
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	07/20/2014 1241
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	07/20/2014 1241
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	07/20/2014 1241

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51850-001
Batch: 51850
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	07/20/2014 1241
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	07/20/2014 1241
Vinyl chloride	ND		1	2.0	0.10	ug/L	07/20/2014 1241
Xylenes (total)	ND		1	5.0	1.7	ug/L	07/20/2014 1241

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51850-002
Batch: 51850
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	74		1	74	60-140	07/20/2014 1109
Benzene	50	50		1	99	70-130	07/20/2014 1109
Bromodichloromethane	50	51		1	101	70-130	07/20/2014 1109
Bromoform	50	53		1	106	70-130	07/20/2014 1109
Bromomethane (Methyl bromide)	50	50		1	100	60-140	07/20/2014 1109
2-Butanone (MEK)	100	85		1	85	60-140	07/20/2014 1109
Carbon disulfide	50	49		1	97	60-140	07/20/2014 1109
Carbon tetrachloride	50	50		1	100	70-130	07/20/2014 1109
Chlorobenzene	50	50		1	101	70-130	07/20/2014 1109
Chloroethane	50	48		1	95	42-163	07/20/2014 1109
Chloroform	50	49		1	99	70-130	07/20/2014 1109
Chloromethane (Methyl chloride)	50	46		1	92	60-140	07/20/2014 1109
Cyclohexane	50	47		1	95	70-130	07/20/2014 1109
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	70-130	07/20/2014 1109
Dibromochloromethane	50	53		1	105	70-130	07/20/2014 1109
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	07/20/2014 1109
1,4-Dichlorobenzene	50	49		1	98	70-130	07/20/2014 1109
1,3-Dichlorobenzene	50	51		1	101	70-130	07/20/2014 1109
1,2-Dichlorobenzene	50	48		1	96	70-130	07/20/2014 1109
Dichlorodifluoromethane	50	49		1	98	60-140	07/20/2014 1109
1,1-Dichloroethane	50	48		1	96	70-130	07/20/2014 1109
1,2-Dichloroethane	50	48		1	96	70-130	07/20/2014 1109
cis-1,2-Dichloroethene	50	48		1	97	70-130	07/20/2014 1109
1,1-Dichloroethene	50	49		1	98	70-130	07/20/2014 1109
trans-1,2-Dichloroethene	50	48		1	96	70-130	07/20/2014 1109
1,2-Dichloropropane	50	49		1	98	70-130	07/20/2014 1109
trans-1,3-Dichloropropene	50	49		1	97	70-130	07/20/2014 1109
cis-1,3-Dichloropropene	50	53		1	106	70-130	07/20/2014 1109
Ethylbenzene	50	51		1	102	70-130	07/20/2014 1109
2-Hexanone	100	99		1	99	60-140	07/20/2014 1109
Isopropylbenzene	50	54		1	107	70-130	07/20/2014 1109
Methyl acetate	50	41		1	82	70-130	07/20/2014 1109
Methyl tertiary butyl ether (MTBE)	50	52		1	104	70-130	07/20/2014 1109
4-Methyl-2-pentanone	100	94		1	94	60-140	07/20/2014 1109
Methylcyclohexane	50	50		1	99	70-130	07/20/2014 1109
Methylene chloride	50	45		1	90	70-130	07/20/2014 1109
Styrene	50	53		1	105	70-130	07/20/2014 1109
1,1,2,2-Tetrachloroethane	50	50		1	101	70-130	07/20/2014 1109
Tetrachloroethene	50	50		1	99	70-130	07/20/2014 1109
Toluene	50	51		1	102	70-130	07/20/2014 1109
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	102	70-130	07/20/2014 1109
1,2,4-Trichlorobenzene	50	46		1	92	70-130	07/20/2014 1109
1,1,2-Trichloroethane	50	48		1	97	70-130	07/20/2014 1109
1,1,1-Trichloroethane	50	49		1	97	70-130	07/20/2014 1109

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51850-002
Batch: 51850
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	98	70-130	07/20/2014 1109
Trichlorofluoromethane	50	50		1	100	70-130	07/20/2014 1109
Vinyl chloride	50	48		1	96	70-130	07/20/2014 1109
Xylenes (total)	100	100		1	103	70-130	07/20/2014 1109

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51850-003
Batch: 51850
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	75		1	75	1.8	60-140	20	07/20/2014 1132
Benzene	50	50		1	100	0.49	70-130	20	07/20/2014 1132
Bromodichloromethane	50	51		1	101	0.17	70-130	20	07/20/2014 1132
Bromoform	50	52		1	104	2.0	70-130	20	07/20/2014 1132
Bromomethane (Methyl bromide)	50	52		1	105	4.7	60-140	20	07/20/2014 1132
2-Butanone (MEK)	100	88		1	88	2.7	60-140	20	07/20/2014 1132
Carbon disulfide	50	48		1	97	0.76	60-140	20	07/20/2014 1132
Carbon tetrachloride	50	50		1	100	0.030	70-130	20	07/20/2014 1132
Chlorobenzene	50	50		1	100	1.1	70-130	20	07/20/2014 1132
Chloroethane	50	48		1	97	1.9	42-163	20	07/20/2014 1132
Chloroform	50	49		1	97	1.6	70-130	20	07/20/2014 1132
Chloromethane (Methyl chloride)	50	45		1	90	1.5	60-140	20	07/20/2014 1132
Cyclohexane	50	49		1	98	2.7	70-130	20	07/20/2014 1132
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	0.54	70-130	20	07/20/2014 1132
Dibromochloromethane	50	51		1	102	2.6	70-130	20	07/20/2014 1132
1,2-Dibromoethane (EDB)	50	50		1	100	0.050	70-130	20	07/20/2014 1132
1,4-Dichlorobenzene	50	50		1	100	1.3	70-130	20	07/20/2014 1132
1,3-Dichlorobenzene	50	51		1	101	0.19	70-130	20	07/20/2014 1132
1,2-Dichlorobenzene	50	48		1	97	0.49	70-130	20	07/20/2014 1132
Dichlorodifluoromethane	50	50		1	99	1.0	60-140	20	07/20/2014 1132
1,1-Dichloroethane	50	47		1	94	2.3	70-130	20	07/20/2014 1132
1,2-Dichloroethane	50	47		1	94	2.7	70-130	20	07/20/2014 1132
cis-1,2-Dichloroethene	50	48		1	96	0.26	70-130	20	07/20/2014 1132
1,1-Dichloroethene	50	48		1	96	1.8	70-130	20	07/20/2014 1132
trans-1,2-Dichloroethene	50	49		1	97	1.0	70-130	20	07/20/2014 1132
1,2-Dichloropropane	50	49		1	98	0.20	70-130	20	07/20/2014 1132
trans-1,3-Dichloropropene	50	48		1	97	0.46	70-130	20	07/20/2014 1132
cis-1,3-Dichloropropene	50	53		1	106	0.11	70-130	20	07/20/2014 1132
Ethylbenzene	50	51		1	101	0.20	70-130	20	07/20/2014 1132
2-Hexanone	100	100		1	101	2.2	60-140	20	07/20/2014 1132
Isopropylbenzene	50	54		1	108	0.35	70-130	20	07/20/2014 1132
Methyl acetate	50	40		1	80	2.9	70-130	20	07/20/2014 1132
Methyl tertiary butyl ether (MTBE)	50	46		1	92	12	70-130	20	07/20/2014 1132
4-Methyl-2-pentanone	100	94		1	94	0.58	60-140	20	07/20/2014 1132
Methylcyclohexane	50	51		1	101	1.8	70-130	20	07/20/2014 1132
Methylene chloride	50	44		1	88	2.4	70-130	20	07/20/2014 1132
Styrene	50	52		1	104	0.66	70-130	20	07/20/2014 1132
1,1,2,2-Tetrachloroethane	50	49		1	98	3.0	70-130	20	07/20/2014 1132
Tetrachloroethene	50	50		1	100	0.46	70-130	20	07/20/2014 1132
Toluene	50	51		1	103	0.69	70-130	20	07/20/2014 1132
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	103	0.82	70-130	20	07/20/2014 1132
1,2,4-Trichlorobenzene	50	52		1	104	12	70-130	20	07/20/2014 1132
1,1,2-Trichloroethane	50	48		1	95	1.3	70-130	20	07/20/2014 1132
1,1,1-Trichloroethane	50	49		1	97	0.19	70-130	20	07/20/2014 1132

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51850-003
Batch: 51850
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	100	1.6	70-130	20	07/20/2014 1132
Trichlorofluoromethane	50	50		1	100	0.33	70-130	20	07/20/2014 1132
Vinyl chloride	50	48		1	96	0.11	70-130	20	07/20/2014 1132
Xylenes (total)	100	100		1	103	0.72	70-130	20	07/20/2014 1132

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51986-001
Batch: 51986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	07/21/2014 2218
Benzene	ND		1	5.0	0.20	ug/L	07/21/2014 2218
Bromodichloromethane	ND		1	5.0	1.7	ug/L	07/21/2014 2218
Bromoform	ND		1	5.0	0.40	ug/L	07/21/2014 2218
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	07/21/2014 2218
2-Butanone (MEK)	ND		1	10	1.8	ug/L	07/21/2014 2218
Carbon disulfide	ND		1	5.0	0.30	ug/L	07/21/2014 2218
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	07/21/2014 2218
Chlorobenzene	ND		1	5.0	1.7	ug/L	07/21/2014 2218
Chloroethane	ND		1	5.0	0.50	ug/L	07/21/2014 2218
Chloroform	ND		1	5.0	1.7	ug/L	07/21/2014 2218
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	07/21/2014 2218
Cyclohexane	ND		1	5.0	0.98	ug/L	07/21/2014 2218
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	07/21/2014 2218
Dibromochloromethane	ND		1	5.0	1.7	ug/L	07/21/2014 2218
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	07/21/2014 2218
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/21/2014 2218
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/21/2014 2218
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/21/2014 2218
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	07/21/2014 2218
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	07/21/2014 2218
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	07/21/2014 2218
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	07/21/2014 2218
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	07/21/2014 2218
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	07/21/2014 2218
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	07/21/2014 2218
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/21/2014 2218
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/21/2014 2218
Ethylbenzene	ND		1	5.0	1.7	ug/L	07/21/2014 2218
2-Hexanone	ND		1	10	1.0	ug/L	07/21/2014 2218
Isopropylbenzene	ND		1	5.0	1.0	ug/L	07/21/2014 2218
Methyl acetate	ND		1	5.0	0.72	ug/L	07/21/2014 2218
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	07/21/2014 2218
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	07/21/2014 2218
Methylcyclohexane	ND		1	5.0	0.95	ug/L	07/21/2014 2218
Methylene chloride	ND		1	5.0	1.7	ug/L	07/21/2014 2218
Styrene	ND		1	5.0	0.10	ug/L	07/21/2014 2218
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	07/21/2014 2218
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/21/2014 2218
Toluene	ND		1	5.0	1.7	ug/L	07/21/2014 2218
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	07/21/2014 2218
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	07/21/2014 2218
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	07/21/2014 2218
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	07/21/2014 2218

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51986-001
Batch: 51986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	07/21/2014 2218
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	07/21/2014 2218
Vinyl chloride	ND		1	2.0	0.10	ug/L	07/21/2014 2218
Xylenes (total)	ND		1	5.0	1.7	ug/L	07/21/2014 2218

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51986-002
Batch: 51986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	72		1	72	60-140	07/21/2014 2047
Benzene	50	50		1	99	70-130	07/21/2014 2047
Bromodichloromethane	50	51		1	101	70-130	07/21/2014 2047
Bromoform	50	50		1	99	70-130	07/21/2014 2047
Bromomethane (Methyl bromide)	50	41		1	82	60-140	07/21/2014 2047
2-Butanone (MEK)	100	85		1	85	60-140	07/21/2014 2047
Carbon disulfide	50	48		1	97	60-140	07/21/2014 2047
Carbon tetrachloride	50	51		1	103	70-130	07/21/2014 2047
Chlorobenzene	50	49		1	98	70-130	07/21/2014 2047
Chloroethane	50	44		1	89	42-163	07/21/2014 2047
Chloroform	50	50		1	100	70-130	07/21/2014 2047
Chloromethane (Methyl chloride)	50	47		1	93	60-140	07/21/2014 2047
Cyclohexane	50	50		1	99	70-130	07/21/2014 2047
1,2-Dibromo-3-chloropropane (DBCP)	50	43		1	86	70-130	07/21/2014 2047
Dibromochloromethane	50	51		1	102	70-130	07/21/2014 2047
1,2-Dibromoethane (EDB)	50	49		1	98	70-130	07/21/2014 2047
1,4-Dichlorobenzene	50	48		1	96	70-130	07/21/2014 2047
1,3-Dichlorobenzene	50	49		1	98	70-130	07/21/2014 2047
1,2-Dichlorobenzene	50	48		1	95	70-130	07/21/2014 2047
Dichlorodifluoromethane	50	51		1	101	60-140	07/21/2014 2047
1,2-Dichloroethane	50	49		1	99	70-130	07/21/2014 2047
1,1-Dichloroethane	50	49		1	99	70-130	07/21/2014 2047
trans-1,2-Dichloroethene	50	50		1	100	70-130	07/21/2014 2047
cis-1,2-Dichloroethene	50	49		1	97	70-130	07/21/2014 2047
1,1-Dichloroethene	50	50		1	100	70-130	07/21/2014 2047
1,2-Dichloropropane	50	49		1	98	70-130	07/21/2014 2047
trans-1,3-Dichloropropene	50	47		1	95	70-130	07/21/2014 2047
cis-1,3-Dichloropropene	50	52		1	105	70-130	07/21/2014 2047
Ethylbenzene	50	50		1	100	70-130	07/21/2014 2047
2-Hexanone	100	100		1	101	60-140	07/21/2014 2047
Isopropylbenzene	50	51		1	102	70-130	07/21/2014 2047
Methyl acetate	50	44		1	87	70-130	07/21/2014 2047
Methyl tertiary butyl ether (MTBE)	50	51		1	101	70-130	07/21/2014 2047
4-Methyl-2-pentanone	100	97		1	97	60-140	07/21/2014 2047
Methylcyclohexane	50	51		1	102	70-130	07/21/2014 2047
Methylene chloride	50	45		1	90	70-130	07/21/2014 2047
Styrene	50	52		1	103	70-130	07/21/2014 2047
1,1,2,2-Tetrachloroethane	50	47		1	94	70-130	07/21/2014 2047
Tetrachloroethene	50	50		1	100	70-130	07/21/2014 2047
Toluene	50	51		1	102	70-130	07/21/2014 2047
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	109	70-130	07/21/2014 2047
1,2,4-Trichlorobenzene	50	46		1	93	70-130	07/21/2014 2047
1,1,2-Trichloroethane	50	47		1	94	70-130	07/21/2014 2047
1,1,1-Trichloroethane	50	49		1	97	70-130	07/21/2014 2047

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51986-002
Batch: 51986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	98	70-130	07/21/2014 2047
Trichlorofluoromethane	50	50		1	99	70-130	07/21/2014 2047
Vinyl chloride	50	47		1	94	70-130	07/21/2014 2047
Xylenes (total)	100	100		1	102	70-130	07/21/2014 2047

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51986-003
Batch: 51986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	69		1	69	3.8	60-140	20	07/21/2014 2109
Benzene	50	52		1	104	4.9	70-130	20	07/21/2014 2109
Bromodichloromethane	50	53		1	105	3.6	70-130	20	07/21/2014 2109
Bromoform	50	52		1	104	4.2	70-130	20	07/21/2014 2109
Bromomethane (Methyl bromide)	50	48		1	95	15	60-140	20	07/21/2014 2109
2-Butanone (MEK)	100	89		1	89	5.2	60-140	20	07/21/2014 2109
Carbon disulfide	50	51		1	102	5.4	60-140	20	07/21/2014 2109
Carbon tetrachloride	50	54		1	108	4.5	70-130	20	07/21/2014 2109
Chlorobenzene	50	51		1	103	4.8	70-130	20	07/21/2014 2109
Chloroethane	50	50		1	100	12	42-163	20	07/21/2014 2109
Chloroform	50	52		1	104	3.7	70-130	20	07/21/2014 2109
Chloromethane (Methyl chloride)	50	50		1	100	6.8	60-140	20	07/21/2014 2109
Cyclohexane	50	56		1	112	12	70-130	20	07/21/2014 2109
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	94	8.9	70-130	20	07/21/2014 2109
Dibromochloromethane	50	52		1	104	2.0	70-130	20	07/21/2014 2109
1,2-Dibromoethane (EDB)	50	52		1	104	6.4	70-130	20	07/21/2014 2109
1,4-Dichlorobenzene	50	51		1	102	5.8	70-130	20	07/21/2014 2109
1,3-Dichlorobenzene	50	52		1	105	6.2	70-130	20	07/21/2014 2109
1,2-Dichlorobenzene	50	50		1	100	5.4	70-130	20	07/21/2014 2109
Dichlorodifluoromethane	50	55		1	111	9.0	60-140	20	07/21/2014 2109
1,2-Dichloroethane	50	50		1	100	1.1	70-130	20	07/21/2014 2109
1,1-Dichloroethane	50	51		1	103	3.7	70-130	20	07/21/2014 2109
trans-1,2-Dichloroethene	50	52		1	105	5.0	70-130	20	07/21/2014 2109
cis-1,2-Dichloroethene	50	50		1	99	2.0	70-130	20	07/21/2014 2109
1,1-Dichloroethene	50	52		1	105	4.9	70-130	20	07/21/2014 2109
1,2-Dichloropropane	50	51		1	103	4.7	70-130	20	07/21/2014 2109
trans-1,3-Dichloropropene	50	50		1	99	4.6	70-130	20	07/21/2014 2109
cis-1,3-Dichloropropene	50	55		1	110	4.8	70-130	20	07/21/2014 2109
Ethylbenzene	50	53		1	106	6.0	70-130	20	07/21/2014 2109
2-Hexanone	100	110		1	108	6.5	60-140	20	07/21/2014 2109
Isopropylbenzene	50	56		1	111	8.5	70-130	20	07/21/2014 2109
Methyl acetate	50	47		1	95	8.0	70-130	20	07/21/2014 2109
Methyl tertiary butyl ether (MTBE)	50	50		1	101	0.77	70-130	20	07/21/2014 2109
4-Methyl-2-pentanone	100	100		1	101	4.4	60-140	20	07/21/2014 2109
Methylcyclohexane	50	55		1	109	6.6	70-130	20	07/21/2014 2109
Methylene chloride	50	47		1	94	4.4	70-130	20	07/21/2014 2109
Styrene	50	54		1	109	5.2	70-130	20	07/21/2014 2109
1,1,2,2-Tetrachloroethane	50	51		1	101	6.9	70-130	20	07/21/2014 2109
Tetrachloroethene	50	52		1	105	4.5	70-130	20	07/21/2014 2109
Toluene	50	53		1	106	4.2	70-130	20	07/21/2014 2109
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	119	8.9	70-130	20	07/21/2014 2109
1,2,4-Trichlorobenzene	50	55		1	110	17	70-130	20	07/21/2014 2109
1,1,2-Trichloroethane	50	49		1	98	4.4	70-130	20	07/21/2014 2109
1,1,1-Trichloroethane	50	52		1	104	6.9	70-130	20	07/21/2014 2109

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51986-003
Batch: 51986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	52		1	103	4.9	70-130	20	07/21/2014 2109
Trichlorofluoromethane	50	55		1	110	9.9	70-130	20	07/21/2014 2109
Vinyl chloride	50	51		1	102	8.2	70-130	20	07/21/2014 2109
Xylenes (total)	100	110		1	107	4.9	70-130	20	07/21/2014 2109

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG18002-018MS
Batch: 51986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	10000	8900		100	89	60-140	07/22/2014 0614
Benzene	ND	5000	5600		100	112	70-130	07/22/2014 0614
Bromodichloromethane	ND	5000	5600		100	112	71-143	07/22/2014 0614
Bromoform	ND	5000	5200		100	105	65-131	07/22/2014 0614
Bromomethane (Methyl bromide)	ND	5000	5100		100	102	36-168	07/22/2014 0614
2-Butanone (MEK)	ND	10000	9600		100	96	60-140	07/22/2014 0614
Carbon disulfide	ND	5000	5500		100	110	60-140	07/22/2014 0614
Carbon tetrachloride	ND	5000	5800		100	116	37-166	07/22/2014 0614
Chlorobenzene	ND	5000	5400		100	109	78-129	07/22/2014 0614
Chloroethane	ND	5000	5400		100	107	60-140	07/22/2014 0614
Chloroform	ND	5000	5600		100	111	63-123	07/22/2014 0614
Chloromethane (Methyl chloride)	ND	5000	5500		100	110	20-158	07/22/2014 0614
Cyclohexane	ND	5000	5900		100	118	70-130	07/22/2014 0614
1,2-Dibromo-3-chloropropane (DBCP)	ND	5000	4600		100	93	70-130	07/22/2014 0614
Dibromochloromethane	ND	5000	5400		100	108	74-134	07/22/2014 0614
1,2-Dibromoethane (EDB)	ND	5000	5400		100	107	70-130	07/22/2014 0614
1,2-Dichlorobenzene	ND	5000	5200		100	104	70-130	07/22/2014 0614
1,3-Dichlorobenzene	ND	5000	5300		100	107	70-130	07/22/2014 0614
1,4-Dichlorobenzene	ND	5000	5200		100	104	70-130	07/22/2014 0614
Dichlorodifluoromethane	ND	5000	5900		100	118	10-158	07/22/2014 0614
1,1-Dichloroethane	ND	5000	5600		100	112	69-132	07/22/2014 0614
1,2-Dichloroethane	ND	5000	5300		100	107	70-130	07/22/2014 0614
1,1-Dichloroethene	ND	5000	5600		100	113	50-132	07/22/2014 0614
cis-1,2-Dichloroethene	ND	5000	5400		100	108	70-130	07/22/2014 0614
trans-1,2-Dichloroethene	ND	5000	5600		100	112	70-130	07/22/2014 0614
1,2-Dichloropropane	ND	5000	5500		100	110	71-126	07/22/2014 0614
cis-1,3-Dichloropropene	ND	5000	5500		100	110	69-130	07/22/2014 0614
trans-1,3-Dichloropropene	ND	5000	4900		100	97	73-131	07/22/2014 0614
Ethylbenzene	ND	5000	5600		100	113	70-130	07/22/2014 0614
2-Hexanone	ND	10000	11000		100	115	60-140	07/22/2014 0614
Isopropylbenzene	ND	5000	5700		100	114	70-130	07/22/2014 0614
Methyl acetate	ND	5000	4800		100	95	15-128	07/22/2014 0614
Methyl tertiary butyl ether (MTBE)	ND	5000	5300		100	107	70-130	07/22/2014 0614
4-Methyl-2-pentanone	ND	10000	11000		100	110	60-140	07/22/2014 0614
Methylcyclohexane	ND	5000	5700		100	114	70-130	07/22/2014 0614
Methylene chloride	ND	5000	4800		100	97	69-129	07/22/2014 0614
Styrene	ND	5000	5700		100	115	70-130	07/22/2014 0614
1,1,2,2-Tetrachloroethane	ND	5000	5100		100	103	60-155	07/22/2014 0614
Tetrachloroethene	9500	5000	15000		100	106	70-130	07/22/2014 0614
Toluene	ND	5000	5800		100	116	70-130	07/22/2014 0614
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	6200		100	124	70-130	07/22/2014 0614
1,2,4-Trichlorobenzene	ND	5000	4900		100	98	70-130	07/22/2014 0614
1,1,1-Trichloroethane	ND	5000	5700		100	113	77-132	07/22/2014 0614
1,1,2-Trichloroethane	ND	5000	5100		100	102	77-132	07/22/2014 0614

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG18002-018MS
Batch: 51986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	5000	5500		100	110	73-124	07/22/2014 0614
Trichlorofluoromethane	ND	5000	5900		100	117	60-140	07/22/2014 0614
Vinyl chloride	ND	5000	5600		100	111	29-159	07/22/2014 0614
Xylenes (total)	ND	10000	11000		100	114	70-130	07/22/2014 0614

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG18002-018MD
Batch: 51986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	10000	8500		100	85	4.9	60-140	20	07/22/2014 0637
Benzene	ND	5000	5500		100	110	2.2	70-130	20	07/22/2014 0637
Bromodichloromethane	ND	5000	5500		100	111	1.1	71-143	20	07/22/2014 0637
Bromoform	ND	5000	5200		100	104	0.55	65-131	20	07/22/2014 0637
Bromomethane (Methyl bromide)	ND	5000	4400		100	89	15	36-168	20	07/22/2014 0637
2-Butanone (MEK)	ND	10000	9300		100	93	3.5	60-140	20	07/22/2014 0637
Carbon disulfide	ND	5000	5400		100	107	2.7	60-140	20	07/22/2014 0637
Carbon tetrachloride	ND	5000	5700		100	115	1.3	37-166	20	07/22/2014 0637
Chlorobenzene	ND	5000	5300		100	107	1.5	78-129	20	07/22/2014 0637
Chloroethane	ND	5000	4900		100	97	9.7	60-140	20	07/22/2014 0637
Chloroform	ND	5000	5600		100	111	0.13	63-123	20	07/22/2014 0637
Chloromethane (Methyl chloride)	ND	5000	5200		100	103	5.9	20-158	20	07/22/2014 0637
Cyclohexane	ND	5000	5500		100	110	6.8	70-130	20	07/22/2014 0637
1,2-Dibromo-3-chloropropane (DBCP)	ND	5000	4500		100	90	2.4	70-130	20	07/22/2014 0637
Dibromochloromethane	ND	5000	5400		100	107	0.85	74-134	20	07/22/2014 0637
1,2-Dibromoethane (EDB)	ND	5000	5300		100	105	1.6	70-130	20	07/22/2014 0637
1,2-Dichlorobenzene	ND	5000	5100		100	102	1.4	70-130	20	07/22/2014 0637
1,3-Dichlorobenzene	ND	5000	5200		100	105	1.8	70-130	20	07/22/2014 0637
1,4-Dichlorobenzene	ND	5000	5100		100	103	1.2	70-130	20	07/22/2014 0637
Dichlorodifluoromethane	ND	5000	5700		100	114	3.0	10-158	20	07/22/2014 0637
1,1-Dichloroethane	ND	5000	5500		100	110	1.6	69-132	20	07/22/2014 0637
1,2-Dichloroethane	ND	5000	5500		100	109	2.4	70-130	20	07/22/2014 0637
1,1-Dichloroethene	ND	5000	5700		100	113	0.36	50-132	20	07/22/2014 0637
cis-1,2-Dichloroethene	ND	5000	5300		100	106	2.2	70-130	20	07/22/2014 0637
trans-1,2-Dichloroethene	ND	5000	5500		100	110	1.2	70-130	20	07/22/2014 0637
1,2-Dichloropropane	ND	5000	5300		100	107	2.9	71-126	20	07/22/2014 0637
cis-1,3-Dichloropropene	ND	5000	5500		100	110	0.070	69-130	20	07/22/2014 0637
trans-1,3-Dichloropropene	ND	5000	4800		100	96	1.4	73-131	20	07/22/2014 0637
Ethylbenzene	ND	5000	5500		100	110	2.7	70-130	20	07/22/2014 0637
2-Hexanone	ND	10000	11000		100	111	3.5	60-140	20	07/22/2014 0637
Isopropylbenzene	ND	5000	5700		100	113	0.81	70-130	20	07/22/2014 0637
Methyl acetate	ND	5000	4700		100	95	0.59	15-128	20	07/22/2014 0637
Methyl tertiary butyl ether (MTBE)	ND	5000	5500		100	110	3.3	70-130	20	07/22/2014 0637
4-Methyl-2-pentanone	ND	10000	11000		100	108	2.1	60-140	20	07/22/2014 0637
Methylcyclohexane	ND	5000	5700		100	114	0.65	70-130	20	07/22/2014 0637
Methylene chloride	ND	5000	4900		100	97	0.68	69-129	20	07/22/2014 0637
Styrene	ND	5000	5700		100	115	0.089	70-130	20	07/22/2014 0637
1,1,2,2-Tetrachloroethane	ND	5000	5100		100	102	0.34	60-155	20	07/22/2014 0637
Tetrachloroethene	9500	5000	15000		100	104	0.59	70-130	20	07/22/2014 0637
Toluene	ND	5000	5600		100	113	2.5	70-130	20	07/22/2014 0637
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	5800		100	117	6.1	70-130	20	07/22/2014 0637
1,2,4-Trichlorobenzene	ND	5000	4800		100	95	2.3	70-130	20	07/22/2014 0637
1,1,1-Trichloroethane	ND	5000	5500		100	111	2.5	77-132	20	07/22/2014 0637
1,1,2-Trichloroethane	ND	5000	5100		100	101	1.0	77-132	20	07/22/2014 0637

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG18002-018MD
Batch: 51986
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	5000	5500		100	109	1.2	73-124	20	07/22/2014 0637
Trichlorofluoromethane	ND	5000	5600		100	112	4.9	60-140	20	07/22/2014 0637
Vinyl chloride	ND	5000	5400		100	108	2.8	29-159	20	07/22/2014 0637
Xylenes (total)	ND	10000	11000		100	113	1.1	70-130	20	07/22/2014 0637

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52104-001
Batch: 52104
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/22/2014 1819

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		114	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52104-002
Batch: 52104
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	50	54		1	108	70-130	07/22/2014 1641

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		116	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ52104-003
Batch: 52104
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Tetrachloroethene	50	54		1	108	0.61	70-130	20	07/22/2014 1705

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		117	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52183-001
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	07/23/2014 1110
Benzene	ND		1	5.0	0.20	ug/L	07/23/2014 1110
Bromodichloromethane	ND		1	5.0	1.7	ug/L	07/23/2014 1110
Bromoform	ND		1	5.0	0.40	ug/L	07/23/2014 1110
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	07/23/2014 1110
2-Butanone (MEK)	ND		1	10	1.8	ug/L	07/23/2014 1110
Carbon disulfide	ND		1	5.0	0.30	ug/L	07/23/2014 1110
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	07/23/2014 1110
Chlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
Chloroethane	ND		1	5.0	0.50	ug/L	07/23/2014 1110
Chloroform	ND		1	5.0	1.7	ug/L	07/23/2014 1110
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	07/23/2014 1110
Cyclohexane	ND		1	5.0	0.98	ug/L	07/23/2014 1110
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	07/23/2014 1110
Dibromochloromethane	ND		1	5.0	1.7	ug/L	07/23/2014 1110
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	07/23/2014 1110
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	07/23/2014 1110
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	07/23/2014 1110
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	07/23/2014 1110
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	07/23/2014 1110
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	07/23/2014 1110
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	07/23/2014 1110
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	07/23/2014 1110
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/23/2014 1110
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/23/2014 1110
Ethylbenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
2-Hexanone	ND		1	10	1.0	ug/L	07/23/2014 1110
Isopropylbenzene	ND		1	5.0	1.0	ug/L	07/23/2014 1110
Methyl acetate	ND		1	5.0	0.72	ug/L	07/23/2014 1110
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	07/23/2014 1110
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	07/23/2014 1110
Methylcyclohexane	ND		1	5.0	0.95	ug/L	07/23/2014 1110
Methylene chloride	ND		1	5.0	1.7	ug/L	07/23/2014 1110
Styrene	ND		1	5.0	0.10	ug/L	07/23/2014 1110
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	07/23/2014 1110
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/23/2014 1110
Toluene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	07/23/2014 1110
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	07/23/2014 1110
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	07/23/2014 1110

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52183-001
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	07/23/2014 1110
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	07/23/2014 1110
Vinyl chloride	ND		1	2.0	0.10	ug/L	07/23/2014 1110
Xylenes (total)	ND		1	5.0	1.7	ug/L	07/23/2014 1110

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		114	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52183-002
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	99		1	99	60-140	07/23/2014 0934
Benzene	50	51		1	101	70-130	07/23/2014 0934
Bromodichloromethane	50	52		1	103	70-130	07/23/2014 0934
Bromoform	50	54		1	107	70-130	07/23/2014 0934
Bromomethane (Methyl bromide)	50	51		1	101	60-140	07/23/2014 0934
2-Butanone (MEK)	100	100		1	100	60-140	07/23/2014 0934
Carbon disulfide	50	51		1	101	60-140	07/23/2014 0934
Carbon tetrachloride	50	51		1	102	70-130	07/23/2014 0934
Chlorobenzene	50	52		1	103	70-130	07/23/2014 0934
Chloroethane	50	51		1	102	42-163	07/23/2014 0934
Chloroform	50	50		1	99	70-130	07/23/2014 0934
Chloromethane (Methyl chloride)	50	49		1	98	60-140	07/23/2014 0934
Cyclohexane	50	49		1	97	70-130	07/23/2014 0934
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	108	70-130	07/23/2014 0934
Dibromochloromethane	50	53		1	107	70-130	07/23/2014 0934
1,2-Dibromoethane (EDB)	50	52		1	105	70-130	07/23/2014 0934
1,4-Dichlorobenzene	50	51		1	103	70-130	07/23/2014 0934
1,2-Dichlorobenzene	50	52		1	103	70-130	07/23/2014 0934
1,3-Dichlorobenzene	50	52		1	104	70-130	07/23/2014 0934
Dichlorodifluoromethane	50	56		1	113	60-140	07/23/2014 0934
1,2-Dichloroethane	50	51		1	101	70-130	07/23/2014 0934
1,1-Dichloroethane	50	51		1	101	70-130	07/23/2014 0934
cis-1,2-Dichloroethene	50	51		1	102	70-130	07/23/2014 0934
trans-1,2-Dichloroethene	50	51		1	102	70-130	07/23/2014 0934
1,1-Dichloroethene	50	51		1	102	70-130	07/23/2014 0934
1,2-Dichloropropane	50	50		1	101	70-130	07/23/2014 0934
cis-1,3-Dichloropropene	50	54		1	108	70-130	07/23/2014 0934
trans-1,3-Dichloropropene	50	56		1	112	70-130	07/23/2014 0934
Ethylbenzene	50	52		1	105	70-130	07/23/2014 0934
2-Hexanone	100	110		1	107	60-140	07/23/2014 0934
Isopropylbenzene	50	53		1	105	70-130	07/23/2014 0934
Methyl acetate	50	50		1	99	70-130	07/23/2014 0934
Methyl tertiary butyl ether (MTBE)	50	53		1	105	70-130	07/23/2014 0934
4-Methyl-2-pentanone	100	110		1	108	60-140	07/23/2014 0934
Methylcyclohexane	50	53		1	107	70-130	07/23/2014 0934
Methylene chloride	50	49		1	99	70-130	07/23/2014 0934
Styrene	50	54		1	108	70-130	07/23/2014 0934
1,1,2,2-Tetrachloroethane	50	50		1	101	70-130	07/23/2014 0934
Tetrachloroethene	50	52		1	105	70-130	07/23/2014 0934
Toluene	50	51		1	102	70-130	07/23/2014 0934
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	110	70-130	07/23/2014 0934
1,2,4-Trichlorobenzene	50	51		1	102	70-130	07/23/2014 0934
1,1,1-Trichloroethane	50	51		1	102	70-130	07/23/2014 0934
1,1,2-Trichloroethane	50	52		1	103	70-130	07/23/2014 0934

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52183-002
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	51		1	101	70-130	07/23/2014 0934
Trichlorofluoromethane	50	52		1	105	70-130	07/23/2014 0934
Vinyl chloride	50	49		1	98	70-130	07/23/2014 0934
Xylenes (total)	100	110		1	108	70-130	07/23/2014 0934

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		118	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ52183-003
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	100	0.60	60-140	20	07/23/2014 0958
Benzene	50	51		1	101	0.051	70-130	20	07/23/2014 0958
Bromodichloromethane	50	52		1	103	0.062	70-130	20	07/23/2014 0958
Bromoform	50	54		1	109	1.6	70-130	20	07/23/2014 0958
Bromomethane (Methyl bromide)	50	50		1	100	1.1	60-140	20	07/23/2014 0958
2-Butanone (MEK)	100	110		1	112	11	60-140	20	07/23/2014 0958
Carbon disulfide	50	50		1	100	1.6	60-140	20	07/23/2014 0958
Carbon tetrachloride	50	51		1	101	0.91	70-130	20	07/23/2014 0958
Chlorobenzene	50	52		1	103	0.097	70-130	20	07/23/2014 0958
Chloroethane	50	50		1	100	2.1	42-163	20	07/23/2014 0958
Chloroform	50	49		1	98	1.0	70-130	20	07/23/2014 0958
Chloromethane (Methyl chloride)	50	45		1	90	7.8	60-140	20	07/23/2014 0958
Cyclohexane	50	49		1	99	1.5	70-130	20	07/23/2014 0958
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	107	1.1	70-130	20	07/23/2014 0958
Dibromochloromethane	50	53		1	107	0.079	70-130	20	07/23/2014 0958
1,2-Dibromoethane (EDB)	50	53		1	106	1.1	70-130	20	07/23/2014 0958
1,4-Dichlorobenzene	50	51		1	102	0.42	70-130	20	07/23/2014 0958
1,2-Dichlorobenzene	50	51		1	102	1.3	70-130	20	07/23/2014 0958
1,3-Dichlorobenzene	50	52		1	104	0.060	70-130	20	07/23/2014 0958
Dichlorodifluoromethane	50	54		1	108	4.2	60-140	20	07/23/2014 0958
1,2-Dichloroethane	50	50		1	100	1.9	70-130	20	07/23/2014 0958
1,1-Dichloroethane	50	49		1	99	2.5	70-130	20	07/23/2014 0958
cis-1,2-Dichloroethene	50	50		1	101	1.3	70-130	20	07/23/2014 0958
trans-1,2-Dichloroethene	50	50		1	100	1.4	70-130	20	07/23/2014 0958
1,1-Dichloroethene	50	50		1	99	2.6	70-130	20	07/23/2014 0958
1,2-Dichloropropane	50	51		1	102	1.9	70-130	20	07/23/2014 0958
cis-1,3-Dichloropropene	50	54		1	108	0.37	70-130	20	07/23/2014 0958
trans-1,3-Dichloropropene	50	56		1	112	0.23	70-130	20	07/23/2014 0958
Ethylbenzene	50	52		1	105	0.057	70-130	20	07/23/2014 0958
2-Hexanone	100	110		1	114	6.3	60-140	20	07/23/2014 0958
Isopropylbenzene	50	54		1	108	2.6	70-130	20	07/23/2014 0958
Methyl acetate	50	54		1	109	9.0	70-130	20	07/23/2014 0958
Methyl tertiary butyl ether (MTBE)	50	52		1	104	1.6	70-130	20	07/23/2014 0958
4-Methyl-2-pentanone	100	110		1	114	6.1	60-140	20	07/23/2014 0958
Methylcyclohexane	50	53		1	107	0.13	70-130	20	07/23/2014 0958
Methylene chloride	50	49		1	97	1.7	70-130	20	07/23/2014 0958
Styrene	50	54		1	109	0.25	70-130	20	07/23/2014 0958
1,1,2,2-Tetrachloroethane	50	52		1	105	3.5	70-130	20	07/23/2014 0958
Tetrachloroethene	50	52		1	105	0.16	70-130	20	07/23/2014 0958
Toluene	50	52		1	104	1.4	70-130	20	07/23/2014 0958
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	110	0.25	70-130	20	07/23/2014 0958
1,2,4-Trichlorobenzene	50	49		1	98	3.1	70-130	20	07/23/2014 0958
1,1,1-Trichloroethane	50	51		1	102	0.047	70-130	20	07/23/2014 0958
1,1,2-Trichloroethane	50	52		1	105	1.2	70-130	20	07/23/2014 0958

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ52183-003
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51		1	101	0.042	70-130	20	07/23/2014 0958
Trichlorofluoromethane	50	52		1	104	0.72	70-130	20	07/23/2014 0958
Vinyl chloride	50	49		1	98	0.35	70-130	20	07/23/2014 0958
Xylenes (total)	100	110		1	108	0.053	70-130	20	07/23/2014 0958

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		119	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG18002-023MS
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	100	66		1	66	60-140	07/23/2014 1942
Benzene	ND	50	42		1	85	70-130	07/23/2014 1942
Bromodichloromethane	ND	50	41		1	83	71-143	07/23/2014 1942
Bromoform	ND	50	43		1	85	65-131	07/23/2014 1942
Bromomethane (Methyl bromide)	ND	50	44		1	89	36-168	07/23/2014 1942
2-Butanone (MEK)	ND	100	72		1	72	60-140	07/23/2014 1942
Carbon disulfide	ND	50	43		1	85	60-140	07/23/2014 1942
Carbon tetrachloride	ND	50	42		1	84	37-166	07/23/2014 1942
Chlorobenzene	ND	50	42		1	83	78-129	07/23/2014 1942
Chloroethane	ND	50	45		1	89	60-140	07/23/2014 1942
Chloroform	5.3	50	46		1	81	63-123	07/23/2014 1942
Chloromethane (Methyl chloride)	ND	50	42		1	84	20-158	07/23/2014 1942
Cyclohexane	ND	50	43		1	86	70-130	07/23/2014 1942
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	40		1	80	70-130	07/23/2014 1942
Dibromochloromethane	ND	50	42		1	85	74-134	07/23/2014 1942
1,2-Dibromoethane (EDB)	ND	50	41		1	83	70-130	07/23/2014 1942
1,2-Dichlorobenzene	ND	50	40		1	80	70-130	07/23/2014 1942
1,3-Dichlorobenzene	ND	50	41		1	82	70-130	07/23/2014 1942
1,4-Dichlorobenzene	ND	50	40		1	80	70-130	07/23/2014 1942
Dichlorodifluoromethane	ND	50	49		1	97	10-158	07/23/2014 1942
1,1-Dichloroethane	ND	50	42		1	83	69-132	07/23/2014 1942
1,2-Dichloroethane	ND	50	40		1	80	70-130	07/23/2014 1942
1,1-Dichloroethene	ND	50	43		1	86	50-132	07/23/2014 1942
cis-1,2-Dichloroethene	ND	50	42		1	84	70-130	07/23/2014 1942
trans-1,2-Dichloroethene	ND	50	43		1	86	70-130	07/23/2014 1942
1,2-Dichloropropane	ND	50	42		1	84	71-126	07/23/2014 1942
cis-1,3-Dichloropropene	ND	50	43		1	85	69-130	07/23/2014 1942
trans-1,3-Dichloropropene	ND	50	43		1	86	73-131	07/23/2014 1942
Ethylbenzene	ND	50	43		1	86	70-130	07/23/2014 1942
2-Hexanone	ND	100	85		1	85	60-140	07/23/2014 1942
Isopropylbenzene	ND	50	43		1	85	70-130	07/23/2014 1942
Methyl acetate	ND	50	38		1	77	15-128	07/23/2014 1942
Methyl tertiary butyl ether (MTBE)	ND	50	38		1	76	70-130	07/23/2014 1942
4-Methyl-2-pentanone	2.1	100	81		1	79	60-140	07/23/2014 1942
Methylcyclohexane	ND	50	45		1	90	70-130	07/23/2014 1942
Methylene chloride	ND	50	40		1	81	69-129	07/23/2014 1942
Styrene	ND	50	43		1	87	70-130	07/23/2014 1942
1,1,2,2-Tetrachloroethane	ND	50	26	N	1	51	60-155	07/23/2014 1942
Tetrachloroethene	5.8	50	49		1	87	70-130	07/23/2014 1942
Toluene	ND	50	43		1	85	70-130	07/23/2014 1942
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	48		1	96	70-130	07/23/2014 1942
1,2,4-Trichlorobenzene	ND	50	36		1	72	70-130	07/23/2014 1942
1,1,1-Trichloroethane	ND	50	42		1	85	77-132	07/23/2014 1942
1,1,2-Trichloroethane	ND	50	41		1	83	77-132	07/23/2014 1942

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG18002-023MS
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	50	54		1	107	73-124	07/23/2014 1942
Trichlorofluoromethane	ND	50	41		1	81	60-140	07/23/2014 1942
Vinyl chloride	ND	50	44		1	88	29-159	07/23/2014 1942
Xylenes (total)	ND	100	87		1	87	70-130	07/23/2014 1942

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		118	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG18002-023MD
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	100	75		1	75	13	60-140	20	07/23/2014 2006
Benzene	ND	50	49		1	98	15	70-130	20	07/23/2014 2006
Bromodichloromethane	ND	50	48		1	97	15	71-143	20	07/23/2014 2006
Bromoform	ND	50	50		1	100	16	65-131	20	07/23/2014 2006
Bromomethane (Methyl bromide)	ND	50	51		1	102	14	36-168	20	07/23/2014 2006
2-Butanone (MEK)	ND	100	82		1	82	13	60-140	20	07/23/2014 2006
Carbon disulfide	ND	50	50		1	99	15	60-140	20	07/23/2014 2006
Carbon tetrachloride	ND	50	50		1	100	17	37-166	20	07/23/2014 2006
Chlorobenzene	ND	50	48		1	97	15	78-129	20	07/23/2014 2006
Chloroethane	ND	50	52		1	105	16	60-140	20	07/23/2014 2006
Chloroform	5.3	50	52		1	94	14	63-123	20	07/23/2014 2006
Chloromethane (Methyl chloride)	ND	50	49		1	97	15	20-158	20	07/23/2014 2006
Cyclohexane	ND	50	50		1	100	15	70-130	20	07/23/2014 2006
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	47		1	95	18	70-130	20	07/23/2014 2006
Dibromochloromethane	ND	50	49		1	99	15	74-134	20	07/23/2014 2006
1,2-Dibromoethane (EDB)	ND	50	48		1	97	16	70-130	20	07/23/2014 2006
1,2-Dichlorobenzene	ND	50	47		1	94	15	70-130	20	07/23/2014 2006
1,3-Dichlorobenzene	ND	50	48		1	95	15	70-130	20	07/23/2014 2006
1,4-Dichlorobenzene	ND	50	47		1	94	16	70-130	20	07/23/2014 2006
Dichlorodifluoromethane	ND	50	57		1	114	16	10-158	20	07/23/2014 2006
1,1-Dichloroethane	ND	50	49		1	97	15	69-132	20	07/23/2014 2006
1,2-Dichloroethane	ND	50	47		1	93	15	70-130	20	07/23/2014 2006
1,1-Dichloroethene	ND	50	51		1	102	16	50-132	20	07/23/2014 2006
cis-1,2-Dichloroethene	ND	50	48		1	97	15	70-130	20	07/23/2014 2006
trans-1,2-Dichloroethene	ND	50	49		1	98	13	70-130	20	07/23/2014 2006
1,2-Dichloropropane	ND	50	49		1	99	16	71-126	20	07/23/2014 2006
cis-1,3-Dichloropropene	ND	50	50		1	100	16	69-130	20	07/23/2014 2006
trans-1,3-Dichloropropene	ND	50	51		1	101	16	73-131	20	07/23/2014 2006
Ethylbenzene	ND	50	50		1	100	15	70-130	20	07/23/2014 2006
2-Hexanone	ND	100	100		1	103	19	60-140	20	07/23/2014 2006
Isopropylbenzene	ND	50	50		1	100	16	70-130	20	07/23/2014 2006
Methyl acetate	ND	50	44		1	89	15	15-128	20	07/23/2014 2006
Methyl tertiary butyl ether (MTBE)	ND	50	46		1	91	18	70-130	20	07/23/2014 2006
4-Methyl-2-pentanone	2.1	100	100	+	1	100	23	60-140	20	07/23/2014 2006
Methylcyclohexane	ND	50	52		1	104	15	70-130	20	07/23/2014 2006
Methylene chloride	ND	50	48		1	95	16	69-129	20	07/23/2014 2006
Styrene	ND	50	51		1	101	15	70-130	20	07/23/2014 2006
1,1,2,2-Tetrachloroethane	ND	50	28	N	1	57	10	60-155	20	07/23/2014 2006
Tetrachloroethene	5.8	50	56		1	101	14	70-130	20	07/23/2014 2006
Toluene	ND	50	50		1	100	16	70-130	20	07/23/2014 2006
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	56		1	112	15	70-130	20	07/23/2014 2006
1,2,4-Trichlorobenzene	ND	50	44		1	88	19	70-130	20	07/23/2014 2006
1,1,1-Trichloroethane	ND	50	50		1	99	16	77-132	20	07/23/2014 2006
1,1,2-Trichloroethane	ND	50	48		1	96	15	77-132	20	07/23/2014 2006

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG18002-023MD
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	50	64	N	1	128	17	73-124	20	07/23/2014 2006
Trichlorofluoromethane	ND	50	49		1	98	18	60-140	20	07/23/2014 2006
Vinyl chloride	ND	50	50		1	100	14	29-159	20	07/23/2014 2006
Xylenes (total)	ND	100	100		1	101	15	70-130	20	07/23/2014 2006

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		117	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 25623

Client: TRC	Report to Contact: Lisa Clark	Sampler (Printed Name): Greg Darnell	Quote No.
Address: 30 Patewood Drive	Telephone No. / Fax No. / Email: 864-281-0030	Waybill No.	Page 1 of 3
City: Greenville State: SC Zip Code: 29615	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: WPH Clemson			
Project Number: 208464.0000.0000.000002	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis			Number of Containers	Bottle (See Instructions on back)	Preservative
										4	3			
										A	A			
										1/5	1/5			
										VOC's	VOC's			
TBLK-14302	—	—	G	X							X			
MG-05	7-14-14	1315								X				
RMW-17		0945								X				
RMW-16		1025								X				
RMW-28		1105								X				
DG-06		1245								X				
RMW-12		0920								X				
RMW-11		1000								X				
RMW-14		1040								X				
RMW-15		1120								X				

PG18002

Turn Around Time Required (Prior lab approval required for expedited TAT): X Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler	7/17/14	14:30	1. Received by	7/17/14	1430
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	7/17/14	1627	4. Laboratory Received by	Date 7/17/14	Time 1627

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑Yes ☐ No ☐ Ice Pack
Receipt Temp. 3.0 °C
Temp. Blank ☐ Y / ☑ N

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 25624

Client: TRC	Report to Contact: Lisa Clark	Sampler (Printed Name): Greg Darnell	Quote No.
Address: 30 Patewood Drive	Telephone No. / Fax No. / Email: 864-281-0030	Waybill No.	Page: 2 of 3
City: Greenville State: SC Zip Code: 29615	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H_2SO_4 4. HNO_3 5. HCl 6. Na Thio. 7. NaOH		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: WPH Clemson			
Project Number: 208464.0000.0000.00002	P.O Number		PG18002

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs											
RMW-13	7-14-14	1210	G	X					X											
RMW-20B	7-15-14	1345							X											
RMW-20C		1405							X											
RMW-20A		1610							X											
RMW-21A		1555							X											
RMW-23C	7-16-14	1015							X											
RMW-23B		0935							X											
RMW-23A		1110							X											
RMW-22A		1035							8											MS/MSD on RMW-22A
RMW-16C		1355							X											

Turn Around Time Required (Prior lab approval required for expedited TAT): X Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler	7/17/14	14:30	1. Received by	7/17/14	1430
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	7/17/14	1627	4. Laboratory Received by	7/17/14	1627

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack
Receipt Temp. 3.0 °C
Temp. Blank ☐ Y / ☑ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 25625

Client TRC	**Report to Contact** Lisa Clark	**Sampler (Printed Name)** Greg Darnell	**Quote No.**
Address 30 Patewood Drive	**Telephone No. / Fax No. / Email** 864-281-0030	**Waybill No.**	**Page** 3 of 3
City Greenville **State** SC **Zip Code** 29615	**Preservative** 1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		**Number of Containers** 4 / **Bottle (See Instructions on back)** A / **Preservative** 1/5
Project Name WPA Clemson			PG18002
Project Number 208164.0000.0000.000002	**P.O Number**		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOC's	
RMW-16B	7-16-14	1340	G	X					X	
RMW-10B	7-17-14	0935	G	X					X	
RMW-10C	"	0955	"	X					8	MS/MSD on RMW-10
RMW-10A	"	1010	"	X					X	
RMW-15A	"	1140	"	X					X	
RMW-16A	"	1210	"	X					X	
RMW-15B	"	1315	"						X	
RBLK-14301		0810		X					X	
DW-14302	—	—	G	X					X	

Turn Around Time Required (Prior lab approval required for expedited TAT): X Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler	7/17/14	14:30	1. Received by	7/17/14	1430
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	7/17/14	1627	4. Laboratory Received by	7/17/14	1627

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack — Receipt Temp. 3.0 °C — Temp. Blank ☐ Y / ☑ N

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SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 15

Replaces Date: 03/07/14
Effective Date: 07/15/14

Sample Receipt Checklist (SRC)

Client: TRC Cooler Inspected by/date: mcm / 04/8/14 Lot #: R418002

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: /2.9 /3.0 °C ___/___/___°C ___/___/___°C ___/___/___°C Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: 0.1 °C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.			
Sample(s)_____ were received with bubbles >6 mm in diameter.			
Sample(s)_____ were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____ Sample(s)_____ were not received at a pH of <2 and were adjusted accordingly using SR#_____			
Sample labels applied by: mcm Verified by: mcm Date: 4/8/14			

Comments:

Report of Analysis

TRC Companies, Inc.
Patewood Plaza One, Suite 100
30 Patewood Drive
Greenville, SC 29615-3535
Attention: Lisa Clark

Project Name: WPH Clemson

Project Number: 208464.0002.0000

Lot Number: PG22032

Date Completed: 07/29/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* P G 2 2 0 3 2 *

8/4/14 WPH-CLEMSON 208464.0.0.2

LAB REPORT PG22032

DATA QUALITY REVIEW

CHAINS-OF-CUSTODY — SIGNED

SAMPLE TEMPERATURE — OK

HOLD TIMES — OK

SURROGATES — RECOVERIES OK

METHOD BLANKS — NO DETECTIONS

TRIP BLANK (TBLK-14303) — NO DETECTIONS

RINSATE BLANK (RBLK-14303) — ACETONE 39 ug/L

BENZENE 0.29 J ug/L

4-METHYL-2-PENTANONE 0.95 J ug/L

TOLUENE 3.4 J ug/L

A "U" FLAG IS ASSIGNED TO ACETONE IN RMW-14C.

LCS/LCSD — RECOVERIES AND RPDs OK

MS/MSD — RMW-06A USED FOR MS/MSD ANALYSES.
RECOVERIES AND RPDs OK.

DUPLICATES — DU-14303 IS A FIELD DUPLICATE OF DG-06B.
BROMODICHLOROMETHANE, TETRACHLOROETHENE AND CHLOROFORM HAVE RSDs = 9.0-9.5%. CARBON DISULFIDE AND VINYL CHLORIDE WERE DETECTED AT <1 ug/L IN DU-14303 BUT NOT DETECTED IN DG-06B. PRECISION IS ACCEPTABLE.

TLH 8/4/14

Case Narrative
TRC Companies, Inc.
Lot Number: PG22032

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

VOCs by GC/MS

The MS/MSD associated with batch 52354 has Tetrachloroethene qualified with an "E" as its recovery was above the calibration range. The native sample PG22032-013 was over range during the initial run but was diluted during the second analysis. The MS/MSDs are not ran at further dilutions.

Sample Summary

TRC Companies, Inc.

Lot Number: PG22032

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	TBLK-14303	Aqueous	07/18/2014	07/22/2014
002	DG-06C	Aqueous	07/18/2014 1000	07/22/2014
003	DG-06B	Aqueous	07/18/2014 0955	07/22/2014
004	DG-06A	Aqueous	07/18/2014 1100	07/22/2014
005	DG-03S	Aqueous	07/18/2014 1200	07/22/2014
006	DG-03D	Aqueous	07/18/2014 1140	07/22/2014
007	DG-07	Aqueous	07/18/2014 1215	07/22/2014
008	RMW-14C	Aqueous	07/21/2014 0940	07/22/2014
009	RMW-14B	Aqueous	07/21/2014 1015	07/22/2014
010	DU-14303	Aqueous	07/18/2014	07/22/2014
011	RMW-14A	Aqueous	07/21/2014 1010	07/22/2014
012	RMW-13A	Aqueous	07/21/2014 1110	07/22/2014
013	RMW-06A	Aqueous	07/21/2014 1125	07/22/2014
014	RMW-19A	Aqueous	07/21/2014 1200	07/22/2014
015	RBLK-14303	Aqueous	07/21/2014 1135	07/22/2014

(15 samples)

Executive Summary
TRC Companies, Inc.
Lot Number: PG22032

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	DG-06C	Aqueous	Carbon tetrachloride	8260B	0.65	J	ug/L	8
002	DG-06C	Aqueous	Chloroform	8260B	2.3	J	ug/L	8
002	DG-06C	Aqueous	Tetrachloroethene	8260B	8.6		ug/L	8
003	DG-06B	Aqueous	Bromodichloromethane	8260B	4.4	J	ug/L	10
003	DG-06B	Aqueous	Chloroform	8260B	35		ug/L	10
003	DG-06B	Aqueous	Tetrachloroethene	8260B	11		ug/L	10
004	DG-06A	Aqueous	cis-1,2-Dichloroethene	8260B	11	J	ug/L	12
004	DG-06A	Aqueous	Tetrachloroethene	8260B	350		ug/L	12
004	DG-06A	Aqueous	Trichloroethene	8260B	6.4	J	ug/L	13
004	DG-06A	Aqueous	Trichlorofluoromethane	8260B	5.5	J	ug/L	13
005	DG-03S	Aqueous	1,1-Dichloroethene	8260B	0.66	J	ug/L	14
005	DG-03S	Aqueous	Tetrachloroethene	8260B	29		ug/L	14
005	DG-03S	Aqueous	Trichlorofluoromethane	8260B	3.6	J	ug/L	15
006	DG-03D	Aqueous	1,1-Dichloroethene	8260B	5.3	J	ug/L	16
006	DG-03D	Aqueous	Tetrachloroethene	8260B	1100		ug/L	16
006	DG-03D	Aqueous	Trichlorofluoromethane	8260B	19	J	ug/L	17
007	DG-07	Aqueous	1,1-Dichloroethene	8260B	6.7		ug/L	18
007	DG-07	Aqueous	cis-1,2-Dichloroethene	8260B	0.80	J	ug/L	18
007	DG-07	Aqueous	Tetrachloroethene	8260B	57		ug/L	18
007	DG-07	Aqueous	Trichloroethene	8260B	0.94	J	ug/L	19
007	DG-07	Aqueous	Trichlorofluoromethane	8260B	47		ug/L	19
008	RMW-14C	Aqueous	Acetone	8260B	8.2	J	ug/L	20
008	RMW-14C	Aqueous	Tetrachloroethene	8260B	8.5		ug/L	20
009	RMW-14B	Aqueous	Tetrachloroethene	8260B	1.4	J	ug/L	22
010	DU-14303	Aqueous	Bromodichloromethane	8260B	4.0	J	ug/L	24
010	DU-14303	Aqueous	Carbon disulfide	8260B	0.65	J	ug/L	24
010	DU-14303	Aqueous	Chloroform	8260B	32		ug/L	24
010	DU-14303	Aqueous	Tetrachloroethene	8260B	10		ug/L	24
010	DU-14303	Aqueous	Vinyl chloride	8260B	0.13	J	ug/L	25
011	RMW-14A	Aqueous	Carbon disulfide	8260B	2.4	J	ug/L	26
011	RMW-14A	Aqueous	Chloroform	8260B	8.9		ug/L	26
011	RMW-14A	Aqueous	Tetrachloroethene	8260B	25		ug/L	26
012	RMW-13A	Aqueous	Chloroform	8260B	1.7	J	ug/L	28
012	RMW-13A	Aqueous	Tetrachloroethene	8260B	1.0	J	ug/L	28
013	RMW-06A	Aqueous	1,2-Dichloroethane	8260B	2.3	J	ug/L	30
013	RMW-06A	Aqueous	Tetrachloroethene	8260B	200		ug/L	30
013	RMW-06A	Aqueous	Trichlorofluoromethane	8260B	1.6	J	ug/L	31
014	RMW-19A	Aqueous	Carbon disulfide	8260B	1.2	J	ug/L	32
014	RMW-19A	Aqueous	Chloroform	8260B	8.3		ug/L	32
014	RMW-19A	Aqueous	Tetrachloroethene	8260B	120		ug/L	32
014	RMW-19A	Aqueous	Trichlorofluoromethane	8260B	17		ug/L	33
015	RBLK-14303	Aqueous	Acetone	8260B	39		ug/L	34
015	RBLK-14303	Aqueous	Benzene	8260B	0.29	J	ug/L	34
015	RBLK-14303	Aqueous	4-Methyl-2-pentanone	8260B	0.95	J	ug/L	34
015	RBLK-14303	Aqueous	Toluene	8260B	3.4	J	ug/L	34

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page

(45 detections)

Client: TRC Companies, Inc.
Description: TBLK-14303
Date Sampled: 07/18/2014
Date Received: 07/22/2014

Laboratory ID: PG22032-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1600	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: TBLK-14303
Date Sampled: 07/18/2014
Date Received: 07/22/2014

Laboratory ID: PG22032-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1600	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-06C
Date Sampled: 07/18/2014 1000
Date Received: 07/22/2014

Laboratory ID: PG22032-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1625	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	0.65	J	5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	2.3	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	8.6		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-06C
Date Sampled: 07/18/2014 1000
Date Received: 07/22/2014

Laboratory ID: PG22032-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1625	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-06B
Date Sampled: 07/18/2014 0955
Date Received: 07/22/2014

Laboratory ID: PG22032-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1650	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	4.4	J	5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	35		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	11		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-06B
Date Sampled: 07/18/2014 0955
Date Received: 07/22/2014

Laboratory ID: PG22032-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1650	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-06A
Date Sampled: 07/18/2014 1100
Date Received: 07/22/2014

Laboratory ID: PG22032-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/23/2014 1714	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	34	ug/L	1
Benzene	71-43-2	8260B	ND		25	1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	8.5	ug/L	1
Bromoform	75-25-2	8260B	ND		25	2.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	4.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	1.5	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	2.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	8.5	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	2.5	ug/L	1
Chloroform	67-66-3	8260B	ND		25	8.5	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	1.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	4.9	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	3.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	8.5	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	1.5	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	8.5	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	8.5	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	8.5	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	1.5	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.5	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	2.5	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	11	J	25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.5	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		25	8.5	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	5.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		25	5.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	3.6	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	2.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	4.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	4.8	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	8.5	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	2.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	350		25	2.0	ug/L	1
Toluene	108-88-3	8260B	ND		25	8.5	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-06A
Date Sampled: 07/18/2014 1100
Date Received: 07/22/2014

Laboratory ID: PG22032-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	07/23/2014 1714	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	8.5	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	6.4	J	25	1.5	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	5.5	J	25	1.5	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-03S
Date Sampled: 07/18/2014 1200
Date Received: 07/22/2014

Laboratory ID: PG22032-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1739	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	0.66	J	5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	29		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-03S
Date Sampled: 07/18/2014 1200
Date Received: 07/22/2014

Laboratory ID: PG22032-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1739	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	3.6	J	5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-03D
Date Sampled: 07/18/2014 1140
Date Received: 07/22/2014

Laboratory ID: PG22032-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	07/23/2014 1803	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		200	67	ug/L	1
Benzene	71-43-2	8260B	ND		50	2.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		50	17	ug/L	1
Bromoform	75-25-2	8260B	ND		50	4.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		50	8.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		100	18	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		50	3.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		50	4.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		50	17	ug/L	1
Chloroethane	75-00-3	8260B	ND		50	5.0	ug/L	1
Chloroform	67-66-3	8260B	ND		50	17	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		50	3.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		50	9.8	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		50	6.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		50	17	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		50	3.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		50	17	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		50	17	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		50	17	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		50	2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		50	3.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		50	3.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	5.3	J	50	5.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		50	2.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		50	4.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		50	3.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		50	3.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		50	3.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		50	17	ug/L	1
2-Hexanone	591-78-6	8260B	ND		100	10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		50	10	ug/L	1
Methyl acetate	79-20-9	8260B	ND		50	7.2	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		50	4.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		100	8.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		50	9.5	ug/L	1
Methylene chloride	75-09-2	8260B	ND		50	17	ug/L	1
Styrene	100-42-5	8260B	ND		50	1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		50	4.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	1100		50	4.0	ug/L	1
Toluene	108-88-3	8260B	ND		50	17	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-03D
Date Sampled: 07/18/2014 1140
Date Received: 07/22/2014

Laboratory ID: PG22032-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	10	07/23/2014 1803	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		50	3.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		50	17	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		50	2.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		50	3.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		50	3.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	19	J	50	3.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		20	1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		50	17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-07
Date Sampled: 07/18/2014 1215
Date Received: 07/22/2014

Laboratory ID: PG22032-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1828	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	6.7		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.80	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	57		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-07
Date Sampled: 07/18/2014 1215
Date Received: 07/22/2014

Laboratory ID: PG22032-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1828	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	0.94	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	47		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-14C
Date Sampled: 07/21/2014 0940
Date Received: 07/22/2014

Laboratory ID: PG22032-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1852	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	8.2	J	20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	8.5		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-14C
Date Sampled: 07/21/2014 0940
Date Received: 07/22/2014

Laboratory ID: PG22032-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1852	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		110	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-14B
Date Sampled: 07/21/2014 1015
Date Received: 07/22/2014

Laboratory ID: PG22032-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1917	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	1.4	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-14B
Date Sampled: 07/21/2014 1015
Date Received: 07/22/2014

Laboratory ID: PG22032-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/23/2014 1917	EH1		52183

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		114	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DU-14303
Date Sampled: 07/18/2014
Date Received: 07/22/2014

Laboratory ID: PG22032-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/24/2014 0415	PMM2		52217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	4.0	J	5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	0.65	J	5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	32		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	10		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DU-14303
Date Sampled: 07/18/2014
Date Received: 07/22/2014

Laboratory ID: PG22032-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/24/2014 0415	PMM2		52217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	0.13	J	2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-14A
Date Sampled: 07/21/2014 1010
Date Received: 07/22/2014

Laboratory ID: PG22032-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/25/2014 1241	EH1		52354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	2.4	J	5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	8.9		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	25		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-14A
Date Sampled: 07/21/2014 1010
Date Received: 07/22/2014

Laboratory ID: PG22032-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/25/2014 1241	EH1		52354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-13A
Date Sampled: 07/21/2014 1110
Date Received: 07/22/2014

Laboratory ID: PG22032-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/25/2014 1306	EH1		52354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	1.7	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	1.0	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-13A
Date Sampled: 07/21/2014 1110
Date Received: 07/22/2014

Laboratory ID: PG22032-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/25/2014 1306	EH1		52354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-06A
Date Sampled: 07/21/2014 1125
Date Received: 07/22/2014

Laboratory ID: PG22032-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/25/2014 1330	EH1		52354
2	5030B	8260B	5	07/28/2014 1334	EH1		52524

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	2.3	J	5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	200		25	2.0	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-06A
Date Sampled: 07/21/2014 1125
Date Received: 07/22/2014

Laboratory ID: PG22032-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/25/2014 1330	EH1		52354
2	5030B	8260B	5	07/28/2014 1334	EH1		52524

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	1.6	J	5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130		112	70-130
Bromofluorobenzene		107	70-130		102	70-130
Toluene-d8		106	70-130		112	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-19A
Date Sampled: 07/21/2014 1200
Date Received: 07/22/2014

Laboratory ID: PG22032-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/25/2014 1354	EH1		52354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	1.2	J	5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	8.3		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	120		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-19A
Date Sampled: 07/21/2014 1200
Date Received: 07/22/2014

Laboratory ID: PG22032-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/25/2014 1354	EH1		52354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	17		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RBLK-14303
Date Sampled: 07/21/2014 1135
Date Received: 07/22/2014

Laboratory ID: PG22032-015
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/25/2014 1217	EH1		52354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	39		20	6.7	ug/L	1
Benzene	71-43-2	8260B	0.29	J	5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	0.95	J	10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	3.4	J	5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RBLK-14303
Date Sampled: 07/21/2014 1135
Date Received: 07/22/2014

Laboratory ID: PG22032-015
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/25/2014 1217	EH1		52354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52183-001
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	07/23/2014 1110
Benzene	ND		1	5.0	0.20	ug/L	07/23/2014 1110
Bromodichloromethane	ND		1	5.0	1.7	ug/L	07/23/2014 1110
Bromoform	ND		1	5.0	0.40	ug/L	07/23/2014 1110
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	07/23/2014 1110
2-Butanone (MEK)	ND		1	10	1.8	ug/L	07/23/2014 1110
Carbon disulfide	ND		1	5.0	0.30	ug/L	07/23/2014 1110
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	07/23/2014 1110
Chlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
Chloroethane	ND		1	5.0	0.50	ug/L	07/23/2014 1110
Chloroform	ND		1	5.0	1.7	ug/L	07/23/2014 1110
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	07/23/2014 1110
Cyclohexane	ND		1	5.0	0.98	ug/L	07/23/2014 1110
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	07/23/2014 1110
Dibromochloromethane	ND		1	5.0	1.7	ug/L	07/23/2014 1110
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	07/23/2014 1110
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	07/23/2014 1110
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	07/23/2014 1110
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	07/23/2014 1110
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	07/23/2014 1110
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	07/23/2014 1110
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	07/23/2014 1110
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	07/23/2014 1110
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/23/2014 1110
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/23/2014 1110
Ethylbenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
2-Hexanone	ND		1	10	1.0	ug/L	07/23/2014 1110
Isopropylbenzene	ND		1	5.0	1.0	ug/L	07/23/2014 1110
Methyl acetate	ND		1	5.0	0.72	ug/L	07/23/2014 1110
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	07/23/2014 1110
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	07/23/2014 1110
Methylcyclohexane	ND		1	5.0	0.95	ug/L	07/23/2014 1110
Methylene chloride	ND		1	5.0	1.7	ug/L	07/23/2014 1110
Styrene	ND		1	5.0	0.10	ug/L	07/23/2014 1110
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	07/23/2014 1110
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/23/2014 1110
Toluene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	07/23/2014 1110
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 1110
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	07/23/2014 1110
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	07/23/2014 1110

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52183-001
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	07/23/2014 1110
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	07/23/2014 1110
Vinyl chloride	ND		1	2.0	0.10	ug/L	07/23/2014 1110
Xylenes (total)	ND		1	5.0	1.7	ug/L	07/23/2014 1110

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		114	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52183-002
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	99		1	99	60-140	07/23/2014 0934
Benzene	50	51		1	101	70-130	07/23/2014 0934
Bromodichloromethane	50	52		1	103	70-130	07/23/2014 0934
Bromoform	50	54		1	107	70-130	07/23/2014 0934
Bromomethane (Methyl bromide)	50	51		1	101	60-140	07/23/2014 0934
2-Butanone (MEK)	100	100		1	100	60-140	07/23/2014 0934
Carbon disulfide	50	51		1	101	60-140	07/23/2014 0934
Carbon tetrachloride	50	51		1	102	70-130	07/23/2014 0934
Chlorobenzene	50	52		1	103	70-130	07/23/2014 0934
Chloroethane	50	51		1	102	42-163	07/23/2014 0934
Chloroform	50	50		1	99	70-130	07/23/2014 0934
Chloromethane (Methyl chloride)	50	49		1	98	60-140	07/23/2014 0934
Cyclohexane	50	49		1	97	70-130	07/23/2014 0934
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	108	70-130	07/23/2014 0934
Dibromochloromethane	50	53		1	107	70-130	07/23/2014 0934
1,2-Dibromoethane (EDB)	50	52		1	105	70-130	07/23/2014 0934
1,4-Dichlorobenzene	50	51		1	103	70-130	07/23/2014 0934
1,2-Dichlorobenzene	50	52		1	103	70-130	07/23/2014 0934
1,3-Dichlorobenzene	50	52		1	104	70-130	07/23/2014 0934
Dichlorodifluoromethane	50	56		1	113	60-140	07/23/2014 0934
1,2-Dichloroethane	50	51		1	101	70-130	07/23/2014 0934
1,1-Dichloroethane	50	51		1	101	70-130	07/23/2014 0934
cis-1,2-Dichloroethene	50	51		1	102	70-130	07/23/2014 0934
trans-1,2-Dichloroethene	50	51		1	102	70-130	07/23/2014 0934
1,1-Dichloroethene	50	51		1	102	70-130	07/23/2014 0934
1,2-Dichloropropane	50	50		1	101	70-130	07/23/2014 0934
cis-1,3-Dichloropropene	50	54		1	108	70-130	07/23/2014 0934
trans-1,3-Dichloropropene	50	56		1	112	70-130	07/23/2014 0934
Ethylbenzene	50	52		1	105	70-130	07/23/2014 0934
2-Hexanone	100	110		1	107	60-140	07/23/2014 0934
Isopropylbenzene	50	53		1	105	70-130	07/23/2014 0934
Methyl acetate	50	50		1	99	70-130	07/23/2014 0934
Methyl tertiary butyl ether (MTBE)	50	53		1	105	70-130	07/23/2014 0934
4-Methyl-2-pentanone	100	110		1	108	60-140	07/23/2014 0934
Methylcyclohexane	50	53		1	107	70-130	07/23/2014 0934
Methylene chloride	50	49		1	99	70-130	07/23/2014 0934
Styrene	50	54		1	108	70-130	07/23/2014 0934
1,1,2,2-Tetrachloroethane	50	50		1	101	70-130	07/23/2014 0934
Tetrachloroethene	50	52		1	105	70-130	07/23/2014 0934
Toluene	50	51		1	102	70-130	07/23/2014 0934
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	110	70-130	07/23/2014 0934
1,2,4-Trichlorobenzene	50	51		1	102	70-130	07/23/2014 0934
1,1,1-Trichloroethane	50	51		1	102	70-130	07/23/2014 0934
1,1,2-Trichloroethane	50	52		1	103	70-130	07/23/2014 0934

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52183-002
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	51		1	101	70-130	07/23/2014 0934
Trichlorofluoromethane	50	52		1	105	70-130	07/23/2014 0934
Vinyl chloride	50	49		1	98	70-130	07/23/2014 0934
Xylenes (total)	100	110		1	108	70-130	07/23/2014 0934

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		118	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ52183-003
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	100	0.60	60-140	20	07/23/2014 0958
Benzene	50	51		1	101	0.051	70-130	20	07/23/2014 0958
Bromodichloromethane	50	52		1	103	0.062	70-130	20	07/23/2014 0958
Bromoform	50	54		1	109	1.6	70-130	20	07/23/2014 0958
Bromomethane (Methyl bromide)	50	50		1	100	1.1	60-140	20	07/23/2014 0958
2-Butanone (MEK)	100	110		1	112	11	60-140	20	07/23/2014 0958
Carbon disulfide	50	50		1	100	1.6	60-140	20	07/23/2014 0958
Carbon tetrachloride	50	51		1	101	0.91	70-130	20	07/23/2014 0958
Chlorobenzene	50	52		1	103	0.097	70-130	20	07/23/2014 0958
Chloroethane	50	50		1	100	2.1	42-163	20	07/23/2014 0958
Chloroform	50	49		1	98	1.0	70-130	20	07/23/2014 0958
Chloromethane (Methyl chloride)	50	45		1	90	7.8	60-140	20	07/23/2014 0958
Cyclohexane	50	49		1	99	1.5	70-130	20	07/23/2014 0958
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	107	1.1	70-130	20	07/23/2014 0958
Dibromochloromethane	50	53		1	107	0.079	70-130	20	07/23/2014 0958
1,2-Dibromoethane (EDB)	50	53		1	106	1.1	70-130	20	07/23/2014 0958
1,4-Dichlorobenzene	50	51		1	102	0.42	70-130	20	07/23/2014 0958
1,2-Dichlorobenzene	50	51		1	102	1.3	70-130	20	07/23/2014 0958
1,3-Dichlorobenzene	50	52		1	104	0.060	70-130	20	07/23/2014 0958
Dichlorodifluoromethane	50	54		1	108	4.2	60-140	20	07/23/2014 0958
1,2-Dichloroethane	50	50		1	100	1.9	70-130	20	07/23/2014 0958
1,1-Dichloroethane	50	49		1	99	2.5	70-130	20	07/23/2014 0958
cis-1,2-Dichloroethene	50	50		1	101	1.3	70-130	20	07/23/2014 0958
trans-1,2-Dichloroethene	50	50		1	100	1.4	70-130	20	07/23/2014 0958
1,1-Dichloroethene	50	50		1	99	2.6	70-130	20	07/23/2014 0958
1,2-Dichloropropane	50	51		1	102	1.9	70-130	20	07/23/2014 0958
cis-1,3-Dichloropropene	50	54		1	108	0.37	70-130	20	07/23/2014 0958
trans-1,3-Dichloropropene	50	56		1	112	0.23	70-130	20	07/23/2014 0958
Ethylbenzene	50	52		1	105	0.057	70-130	20	07/23/2014 0958
2-Hexanone	100	110		1	114	6.3	60-140	20	07/23/2014 0958
Isopropylbenzene	50	54		1	108	2.6	70-130	20	07/23/2014 0958
Methyl acetate	50	54		1	109	9.0	70-130	20	07/23/2014 0958
Methyl tertiary butyl ether (MTBE)	50	52		1	104	1.6	70-130	20	07/23/2014 0958
4-Methyl-2-pentanone	100	110		1	114	6.1	60-140	20	07/23/2014 0958
Methylcyclohexane	50	53		1	107	0.13	70-130	20	07/23/2014 0958
Methylene chloride	50	49		1	97	1.7	70-130	20	07/23/2014 0958
Styrene	50	54		1	109	0.25	70-130	20	07/23/2014 0958
1,1,2,2-Tetrachloroethane	50	52		1	105	3.5	70-130	20	07/23/2014 0958
Tetrachloroethene	50	52		1	105	0.16	70-130	20	07/23/2014 0958
Toluene	50	52		1	104	1.4	70-130	20	07/23/2014 0958
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	110	0.25	70-130	20	07/23/2014 0958
1,2,4-Trichlorobenzene	50	49		1	98	3.1	70-130	20	07/23/2014 0958
1,1,1-Trichloroethane	50	51		1	102	0.047	70-130	20	07/23/2014 0958
1,1,2-Trichloroethane	50	52		1	105	1.2	70-130	20	07/23/2014 0958

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ52183-003
Batch: 52183
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51		1	101	0.042	70-130	20	07/23/2014 0958
Trichlorofluoromethane	50	52		1	104	0.72	70-130	20	07/23/2014 0958
Vinyl chloride	50	49		1	98	0.35	70-130	20	07/23/2014 0958
Xylenes (total)	100	110		1	108	0.053	70-130	20	07/23/2014 0958

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		119	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52217-001
Batch: 52217
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	07/23/2014 2309
Benzene	ND		1	5.0	0.20	ug/L	07/23/2014 2309
Bromodichloromethane	ND		1	5.0	1.7	ug/L	07/23/2014 2309
Bromoform	ND		1	5.0	0.40	ug/L	07/23/2014 2309
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	07/23/2014 2309
2-Butanone (MEK)	ND		1	10	1.8	ug/L	07/23/2014 2309
Carbon disulfide	ND		1	5.0	0.30	ug/L	07/23/2014 2309
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	07/23/2014 2309
Chlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 2309
Chloroethane	ND		1	5.0	0.50	ug/L	07/23/2014 2309
Chloroform	ND		1	5.0	1.7	ug/L	07/23/2014 2309
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	07/23/2014 2309
Cyclohexane	ND		1	5.0	0.98	ug/L	07/23/2014 2309
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	07/23/2014 2309
Dibromochloromethane	ND		1	5.0	1.7	ug/L	07/23/2014 2309
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	07/23/2014 2309
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 2309
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 2309
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 2309
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	07/23/2014 2309
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	07/23/2014 2309
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	07/23/2014 2309
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	07/23/2014 2309
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	07/23/2014 2309
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	07/23/2014 2309
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	07/23/2014 2309
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/23/2014 2309
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/23/2014 2309
Ethylbenzene	ND		1	5.0	1.7	ug/L	07/23/2014 2309
2-Hexanone	ND		1	10	1.0	ug/L	07/23/2014 2309
Isopropylbenzene	ND		1	5.0	1.0	ug/L	07/23/2014 2309
Methyl acetate	ND		1	5.0	0.72	ug/L	07/23/2014 2309
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	07/23/2014 2309
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	07/23/2014 2309
Methylcyclohexane	ND		1	5.0	0.95	ug/L	07/23/2014 2309
Methylene chloride	ND		1	5.0	1.7	ug/L	07/23/2014 2309
Styrene	ND		1	5.0	0.10	ug/L	07/23/2014 2309
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	07/23/2014 2309
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/23/2014 2309
Toluene	ND		1	5.0	1.7	ug/L	07/23/2014 2309
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	07/23/2014 2309
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	07/23/2014 2309
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	07/23/2014 2309
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	07/23/2014 2309

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52217-001
Batch: 52217
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	07/23/2014 2309
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	07/23/2014 2309
Vinyl chloride	ND		1	2.0	0.10	ug/L	07/23/2014 2309
Xylenes (total)	ND		1	5.0	1.7	ug/L	07/23/2014 2309

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52217-002
Batch: 52217
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	78		1	78	60-140	07/23/2014 2138
Benzene	50	52		1	104	70-130	07/23/2014 2138
Bromodichloromethane	50	52		1	104	70-130	07/23/2014 2138
Bromoform	50	50		1	99	70-130	07/23/2014 2138
Bromomethane (Methyl bromide)	50	54		1	107	60-140	07/23/2014 2138
2-Butanone (MEK)	100	94		1	94	60-140	07/23/2014 2138
Carbon disulfide	50	52		1	104	60-140	07/23/2014 2138
Carbon tetrachloride	50	54		1	108	70-130	07/23/2014 2138
Chlorobenzene	50	50		1	99	70-130	07/23/2014 2138
Chloroethane	50	51		1	102	42-163	07/23/2014 2138
Chloroform	50	53		1	106	70-130	07/23/2014 2138
Chloromethane (Methyl chloride)	50	50		1	101	60-140	07/23/2014 2138
Cyclohexane	50	53		1	107	70-130	07/23/2014 2138
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	91	70-130	07/23/2014 2138
Dibromochloromethane	50	52		1	103	70-130	07/23/2014 2138
1,2-Dibromoethane (EDB)	50	51		1	101	70-130	07/23/2014 2138
1,4-Dichlorobenzene	50	48		1	96	70-130	07/23/2014 2138
1,3-Dichlorobenzene	50	49		1	98	70-130	07/23/2014 2138
1,2-Dichlorobenzene	50	48		1	97	70-130	07/23/2014 2138
Dichlorodifluoromethane	50	57		1	114	60-140	07/23/2014 2138
1,2-Dichloroethane	50	53		1	105	70-130	07/23/2014 2138
1,1-Dichloroethane	50	53		1	106	70-130	07/23/2014 2138
trans-1,2-Dichloroethene	50	52		1	103	70-130	07/23/2014 2138
cis-1,2-Dichloroethene	50	51		1	101	70-130	07/23/2014 2138
1,1-Dichloroethene	50	52		1	104	70-130	07/23/2014 2138
1,2-Dichloropropane	50	51		1	103	70-130	07/23/2014 2138
trans-1,3-Dichloropropene	50	48		1	97	70-130	07/23/2014 2138
cis-1,3-Dichloropropene	50	54		1	109	70-130	07/23/2014 2138
Ethylbenzene	50	51		1	101	70-130	07/23/2014 2138
2-Hexanone	100	100		1	104	60-140	07/23/2014 2138
Isopropylbenzene	50	53		1	105	70-130	07/23/2014 2138
Methyl acetate	50	44		1	88	70-130	07/23/2014 2138
Methyl tertiary butyl ether (MTBE)	50	56		1	111	70-130	07/23/2014 2138
4-Methyl-2-pentanone	100	100		1	102	60-140	07/23/2014 2138
Methylcyclohexane	50	53		1	105	70-130	07/23/2014 2138
Methylene chloride	50	48		1	95	70-130	07/23/2014 2138
Styrene	50	52		1	104	70-130	07/23/2014 2138
1,1,2,2-Tetrachloroethane	50	49		1	99	70-130	07/23/2014 2138
Tetrachloroethene	50	49		1	99	70-130	07/23/2014 2138
Toluene	50	52		1	104	70-130	07/23/2014 2138
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	58		1	116	70-130	07/23/2014 2138
1,2,4-Trichlorobenzene	50	52		1	103	70-130	07/23/2014 2138
1,1,2-Trichloroethane	50	49		1	97	70-130	07/23/2014 2138
1,1,1-Trichloroethane	50	53		1	106	70-130	07/23/2014 2138

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52217-002
Batch: 52217
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	100	70-130	07/23/2014 2138
Trichlorofluoromethane	50	54		1	108	70-130	07/23/2014 2138
Vinyl chloride	50	51		1	102	70-130	07/23/2014 2138
Xylenes (total)	100	100		1	103	70-130	07/23/2014 2138

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ52217-003
Batch: 52217
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	88		1	88	13	60-140	20	07/23/2014 2201
Benzene	50	53		1	105	1.3	70-130	20	07/23/2014 2201
Bromodichloromethane	50	54		1	107	2.7	70-130	20	07/23/2014 2201
Bromoform	50	52		1	104	4.6	70-130	20	07/23/2014 2201
Bromomethane (Methyl bromide)	50	52		1	103	3.6	60-140	20	07/23/2014 2201
2-Butanone (MEK)	100	100		1	101	6.9	60-140	20	07/23/2014 2201
Carbon disulfide	50	51		1	102	2.0	60-140	20	07/23/2014 2201
Carbon tetrachloride	50	54		1	108	0.28	70-130	20	07/23/2014 2201
Chlorobenzene	50	52		1	103	4.1	70-130	20	07/23/2014 2201
Chloroethane	50	51		1	102	0.49	42-163	20	07/23/2014 2201
Chloroform	50	53		1	107	0.83	70-130	20	07/23/2014 2201
Chloromethane (Methyl chloride)	50	49		1	99	1.7	60-140	20	07/23/2014 2201
Cyclohexane	50	54		1	107	0.67	70-130	20	07/23/2014 2201
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	94	2.9	70-130	20	07/23/2014 2201
Dibromochloromethane	50	52		1	105	1.4	70-130	20	07/23/2014 2201
1,2-Dibromoethane (EDB)	50	52		1	105	3.6	70-130	20	07/23/2014 2201
1,4-Dichlorobenzene	50	51		1	102	6.2	70-130	20	07/23/2014 2201
1,3-Dichlorobenzene	50	52		1	104	5.9	70-130	20	07/23/2014 2201
1,2-Dichlorobenzene	50	50		1	100	3.7	70-130	20	07/23/2014 2201
Dichlorodifluoromethane	50	56		1	112	1.7	60-140	20	07/23/2014 2201
1,2-Dichloroethane	50	53		1	105	0.15	70-130	20	07/23/2014 2201
1,1-Dichloroethane	50	52		1	105	0.86	70-130	20	07/23/2014 2201
trans-1,2-Dichloroethene	50	52		1	105	1.5	70-130	20	07/23/2014 2201
cis-1,2-Dichloroethene	50	52		1	105	3.3	70-130	20	07/23/2014 2201
1,1-Dichloroethene	50	51		1	103	0.76	70-130	20	07/23/2014 2201
1,2-Dichloropropane	50	53		1	105	2.3	70-130	20	07/23/2014 2201
trans-1,3-Dichloropropene	50	50		1	100	4.0	70-130	20	07/23/2014 2201
cis-1,3-Dichloropropene	50	56		1	113	3.7	70-130	20	07/23/2014 2201
Ethylbenzene	50	52		1	105	3.7	70-130	20	07/23/2014 2201
2-Hexanone	100	110		1	111	6.3	60-140	20	07/23/2014 2201
Isopropylbenzene	50	55		1	110	4.1	70-130	20	07/23/2014 2201
Methyl acetate	50	51		1	102	14	70-130	20	07/23/2014 2201
Methyl tertiary butyl ether (MTBE)	50	57		1	113	1.9	70-130	20	07/23/2014 2201
4-Methyl-2-pentanone	100	110		1	109	6.9	60-140	20	07/23/2014 2201
Methylcyclohexane	50	54		1	108	2.8	70-130	20	07/23/2014 2201
Methylene chloride	50	49		1	97	1.8	70-130	20	07/23/2014 2201
Styrene	50	55		1	109	4.5	70-130	20	07/23/2014 2201
1,1,2,2-Tetrachloroethane	50	53		1	106	7.6	70-130	20	07/23/2014 2201
Tetrachloroethene	50	50		1	101	1.5	70-130	20	07/23/2014 2201
Toluene	50	54		1	107	2.9	70-130	20	07/23/2014 2201
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	57		1	114	2.1	70-130	20	07/23/2014 2201
1,2,4-Trichlorobenzene	50	47		1	95	8.6	70-130	20	07/23/2014 2201
1,1,2-Trichloroethane	50	50		1	99	2.4	70-130	20	07/23/2014 2201
1,1,1-Trichloroethane	50	53		1	107	1.2	70-130	20	07/23/2014 2201

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ52217-003
Batch: 52217
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51		1	103	3.0	70-130	20	07/23/2014 2201
Trichlorofluoromethane	50	53		1	106	1.4	70-130	20	07/23/2014 2201
Vinyl chloride	50	50		1	100	2.5	70-130	20	07/23/2014 2201
Xylenes (total)	100	110		1	107	3.3	70-130	20	07/23/2014 2201

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52354-001
Batch: 52354
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	07/25/2014 1105
Benzene	ND		1	5.0	0.20	ug/L	07/25/2014 1105
Bromodichloromethane	ND		1	5.0	1.7	ug/L	07/25/2014 1105
Bromoform	ND		1	5.0	0.40	ug/L	07/25/2014 1105
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	07/25/2014 1105
2-Butanone (MEK)	ND		1	10	1.8	ug/L	07/25/2014 1105
Carbon disulfide	ND		1	5.0	0.30	ug/L	07/25/2014 1105
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	07/25/2014 1105
Chlorobenzene	ND		1	5.0	1.7	ug/L	07/25/2014 1105
Chloroethane	ND		1	5.0	0.50	ug/L	07/25/2014 1105
Chloroform	ND		1	5.0	1.7	ug/L	07/25/2014 1105
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	07/25/2014 1105
Cyclohexane	ND		1	5.0	0.98	ug/L	07/25/2014 1105
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	07/25/2014 1105
Dibromochloromethane	ND		1	5.0	1.7	ug/L	07/25/2014 1105
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	07/25/2014 1105
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/25/2014 1105
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/25/2014 1105
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/25/2014 1105
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	07/25/2014 1105
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	07/25/2014 1105
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	07/25/2014 1105
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	07/25/2014 1105
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	07/25/2014 1105
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	07/25/2014 1105
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	07/25/2014 1105
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/25/2014 1105
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/25/2014 1105
Ethylbenzene	ND		1	5.0	1.7	ug/L	07/25/2014 1105
2-Hexanone	ND		1	10	1.0	ug/L	07/25/2014 1105
Isopropylbenzene	ND		1	5.0	1.0	ug/L	07/25/2014 1105
Methyl acetate	ND		1	5.0	0.72	ug/L	07/25/2014 1105
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	07/25/2014 1105
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	07/25/2014 1105
Methylcyclohexane	ND		1	5.0	0.95	ug/L	07/25/2014 1105
Methylene chloride	ND		1	5.0	1.7	ug/L	07/25/2014 1105
Styrene	ND		1	5.0	0.10	ug/L	07/25/2014 1105
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	07/25/2014 1105
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/25/2014 1105
Toluene	ND		1	5.0	1.7	ug/L	07/25/2014 1105
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	07/25/2014 1105
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	07/25/2014 1105
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	07/25/2014 1105
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	07/25/2014 1105

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52354-001
Batch: 52354
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	07/25/2014 1105
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	07/25/2014 1105
Vinyl chloride	ND		1	2.0	0.10	ug/L	07/25/2014 1105
Xylenes (total)	ND		1	5.0	1.7	ug/L	07/25/2014 1105

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52354-002
Batch: 52354
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	110	60-140	07/25/2014 0929
Benzene	50	47		1	95	70-130	07/25/2014 0929
Bromodichloromethane	50	47		1	95	70-130	07/25/2014 0929
Bromoform	50	46		1	92	70-130	07/25/2014 0929
Bromomethane (Methyl bromide)	50	48		1	96	60-140	07/25/2014 0929
2-Butanone (MEK)	100	100		1	100	60-140	07/25/2014 0929
Carbon disulfide	50	45		1	91	60-140	07/25/2014 0929
Carbon tetrachloride	50	46		1	93	70-130	07/25/2014 0929
Chlorobenzene	50	48		1	96	70-130	07/25/2014 0929
Chloroethane	50	48		1	96	42-163	07/25/2014 0929
Chloroform	50	47		1	94	70-130	07/25/2014 0929
Chloromethane (Methyl chloride)	50	48		1	95	60-140	07/25/2014 0929
Cyclohexane	50	46		1	93	70-130	07/25/2014 0929
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	100	70-130	07/25/2014 0929
Dibromochloromethane	50	48		1	95	70-130	07/25/2014 0929
1,2-Dibromoethane (EDB)	50	49		1	98	70-130	07/25/2014 0929
1,3-Dichlorobenzene	50	49		1	97	70-130	07/25/2014 0929
1,2-Dichlorobenzene	50	48		1	96	70-130	07/25/2014 0929
1,4-Dichlorobenzene	50	48		1	96	70-130	07/25/2014 0929
Dichlorodifluoromethane	50	45		1	91	60-140	07/25/2014 0929
1,2-Dichloroethane	50	47		1	95	70-130	07/25/2014 0929
1,1-Dichloroethane	50	47		1	94	70-130	07/25/2014 0929
1,1-Dichloroethene	50	48		1	95	70-130	07/25/2014 0929
trans-1,2-Dichloroethene	50	47		1	94	70-130	07/25/2014 0929
cis-1,2-Dichloroethene	50	47		1	95	70-130	07/25/2014 0929
1,2-Dichloropropane	50	48		1	97	70-130	07/25/2014 0929
trans-1,3-Dichloropropene	50	50		1	100	70-130	07/25/2014 0929
cis-1,3-Dichloropropene	50	49		1	99	70-130	07/25/2014 0929
Ethylbenzene	50	49		1	97	70-130	07/25/2014 0929
2-Hexanone	100	100		1	101	60-140	07/25/2014 0929
Isopropylbenzene	50	49		1	99	70-130	07/25/2014 0929
Methyl acetate	50	46		1	92	70-130	07/25/2014 0929
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	07/25/2014 0929
4-Methyl-2-pentanone	100	100		1	100	60-140	07/25/2014 0929
Methylcyclohexane	50	48		1	96	70-130	07/25/2014 0929
Methylene chloride	50	46		1	92	70-130	07/25/2014 0929
Styrene	50	50		1	100	70-130	07/25/2014 0929
1,1,2,2-Tetrachloroethane	50	49		1	98	70-130	07/25/2014 0929
Tetrachloroethene	50	48		1	96	70-130	07/25/2014 0929
Toluene	50	48		1	95	70-130	07/25/2014 0929
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	103	70-130	07/25/2014 0929
1,2,4-Trichlorobenzene	50	47		1	93	70-130	07/25/2014 0929
1,1,2-Trichloroethane	50	48		1	96	70-130	07/25/2014 0929
1,1,1-Trichloroethane	50	46		1	92	70-130	07/25/2014 0929

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52354-002
Batch: 52354
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	46		1	93	70-130	07/25/2014 0929
Trichlorofluoromethane	50	43		1	86	70-130	07/25/2014 0929
Vinyl chloride	50	46		1	92	70-130	07/25/2014 0929
Xylenes (total)	100	99		1	99	70-130	07/25/2014 0929

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		111	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ52354-003
Batch: 52354
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	114	3.9	60-140	20	07/25/2014 0952
Benzene	50	47		1	94	1.2	70-130	20	07/25/2014 0952
Bromodichloromethane	50	47		1	95	0.15	70-130	20	07/25/2014 0952
Bromoform	50	47		1	95	2.9	70-130	20	07/25/2014 0952
Bromomethane (Methyl bromide)	50	46		1	92	4.0	60-140	20	07/25/2014 0952
2-Butanone (MEK)	100	110		1	108	8.3	60-140	20	07/25/2014 0952
Carbon disulfide	50	44		1	88	2.8	60-140	20	07/25/2014 0952
Carbon tetrachloride	50	46		1	92	0.94	70-130	20	07/25/2014 0952
Chlorobenzene	50	47		1	95	0.88	70-130	20	07/25/2014 0952
Chloroethane	50	46		1	92	5.2	42-163	20	07/25/2014 0952
Chloroform	50	46		1	92	2.1	70-130	20	07/25/2014 0952
Chloromethane (Methyl chloride)	50	46		1	92	3.0	60-140	20	07/25/2014 0952
Cyclohexane	50	44		1	89	4.4	70-130	20	07/25/2014 0952
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	3.5	70-130	20	07/25/2014 0952
Dibromochloromethane	50	48		1	96	0.75	70-130	20	07/25/2014 0952
1,2-Dibromoethane (EDB)	50	49		1	97	0.46	70-130	20	07/25/2014 0952
1,3-Dichlorobenzene	50	48		1	97	0.51	70-130	20	07/25/2014 0952
1,2-Dichlorobenzene	50	47		1	95	1.5	70-130	20	07/25/2014 0952
1,4-Dichlorobenzene	50	48		1	95	0.61	70-130	20	07/25/2014 0952
Dichlorodifluoromethane	50	43		1	87	4.4	60-140	20	07/25/2014 0952
1,2-Dichloroethane	50	47		1	94	0.93	70-130	20	07/25/2014 0952
1,1-Dichloroethane	50	46		1	92	1.9	70-130	20	07/25/2014 0952
1,1-Dichloroethene	50	46		1	92	3.3	70-130	20	07/25/2014 0952
trans-1,2-Dichloroethene	50	46		1	92	2.7	70-130	20	07/25/2014 0952
cis-1,2-Dichloroethene	50	47		1	95	0.082	70-130	20	07/25/2014 0952
1,2-Dichloropropane	50	48		1	97	0.070	70-130	20	07/25/2014 0952
trans-1,3-Dichloropropene	50	50		1	99	0.23	70-130	20	07/25/2014 0952
cis-1,3-Dichloropropene	50	49		1	99	0.14	70-130	20	07/25/2014 0952
Ethylbenzene	50	49		1	97	0.15	70-130	20	07/25/2014 0952
2-Hexanone	100	110		1	106	4.5	60-140	20	07/25/2014 0952
Isopropylbenzene	50	50		1	100	1.7	70-130	20	07/25/2014 0952
Methyl acetate	50	48		1	95	4.0	70-130	20	07/25/2014 0952
Methyl tertiary butyl ether (MTBE)	50	49		1	98	0.38	70-130	20	07/25/2014 0952
4-Methyl-2-pentanone	100	110		1	107	6.4	60-140	20	07/25/2014 0952
Methylcyclohexane	50	47		1	95	1.6	70-130	20	07/25/2014 0952
Methylene chloride	50	45		1	89	2.9	70-130	20	07/25/2014 0952
Styrene	50	50		1	100	0.54	70-130	20	07/25/2014 0952
1,1,2,2-Tetrachloroethane	50	50		1	99	0.81	70-130	20	07/25/2014 0952
Tetrachloroethene	50	48		1	95	0.72	70-130	20	07/25/2014 0952
Toluene	50	48		1	96	0.45	70-130	20	07/25/2014 0952
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	99	3.2	70-130	20	07/25/2014 0952
1,2,4-Trichlorobenzene	50	44		1	87	6.5	70-130	20	07/25/2014 0952
1,1,2-Trichloroethane	50	48		1	97	0.14	70-130	20	07/25/2014 0952
1,1,1-Trichloroethane	50	45		1	91	0.93	70-130	20	07/25/2014 0952

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ52354-003
Batch: 52354
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	47		1	94	0.57	70-130	20	07/25/2014 0952
Trichlorofluoromethane	50	42		1	83	2.7	70-130	20	07/25/2014 0952
Vinyl chloride	50	44		1	87	4.6	70-130	20	07/25/2014 0952
Xylenes (total)	100	99		1	99	0.57	70-130	20	07/25/2014 0952

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		112	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG22032-013MS
Batch: 52354
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	100	100		1	101	60-140	07/25/2014 1938
Benzene	ND	50	49		1	99	70-130	07/25/2014 1938
Bromodichloromethane	ND	50	48		1	96	71-143	07/25/2014 1938
Bromoform	ND	50	47		1	94	65-131	07/25/2014 1938
Bromomethane (Methyl bromide)	ND	50	50		1	101	36-168	07/25/2014 1938
2-Butanone (MEK)	ND	100	89		1	89	60-140	07/25/2014 1938
Carbon disulfide	ND	50	42		1	84	60-140	07/25/2014 1938
Carbon tetrachloride	ND	50	50		1	99	37-166	07/25/2014 1938
Chlorobenzene	ND	50	48		1	96	78-129	07/25/2014 1938
Chloroethane	ND	50	51		1	101	60-140	07/25/2014 1938
Chloroform	ND	50	48		1	96	63-123	07/25/2014 1938
Chloromethane (Methyl chloride)	ND	50	51		1	102	20-158	07/25/2014 1938
Cyclohexane	ND	50	48		1	96	70-130	07/25/2014 1938
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	46		1	92	70-130	07/25/2014 1938
Dibromochloromethane	ND	50	48		1	96	74-134	07/25/2014 1938
1,2-Dibromoethane (EDB)	ND	50	48		1	96	70-130	07/25/2014 1938
1,2-Dichlorobenzene	ND	50	48		1	95	70-130	07/25/2014 1938
1,3-Dichlorobenzene	ND	50	48		1	96	70-130	07/25/2014 1938
1,4-Dichlorobenzene	ND	50	47		1	95	70-130	07/25/2014 1938
Dichlorodifluoromethane	ND	50	49		1	98	10-158	07/25/2014 1938
1,1-Dichloroethane	ND	50	48		1	96	69-132	07/25/2014 1938
1,2-Dichloroethane	2.3	50	48		1	91	70-130	07/25/2014 1938
1,1-Dichloroethene	ND	50	51		1	101	50-132	07/25/2014 1938
cis-1,2-Dichloroethene	ND	50	48		1	95	70-130	07/25/2014 1938
trans-1,2-Dichloroethene	ND	50	49		1	97	70-130	07/25/2014 1938
1,2-Dichloropropane	ND	50	50		1	100	71-126	07/25/2014 1938
cis-1,3-Dichloropropene	ND	50	49		1	97	69-130	07/25/2014 1938
trans-1,3-Dichloropropene	ND	50	48		1	95	73-131	07/25/2014 1938
Ethylbenzene	ND	50	49		1	99	70-130	07/25/2014 1938
2-Hexanone	ND	100	100		1	100	60-140	07/25/2014 1938
Isopropylbenzene	ND	50	50		1	101	70-130	07/25/2014 1938
Methyl acetate	ND	50	45		1	89	15-128	07/25/2014 1938
Methyl tertiary butyl ether (MTBE)	ND	50	46		1	91	70-130	07/25/2014 1938
4-Methyl-2-pentanone	ND	100	99		1	99	60-140	07/25/2014 1938
Methylcyclohexane	ND	50	51		1	102	70-130	07/25/2014 1938
Methylene chloride	ND	50	46		1	91	69-129	07/25/2014 1938
Styrene	ND	50	50		1	100	70-130	07/25/2014 1938
1,1,2,2-Tetrachloroethane	ND	50	47		1	94	60-155	07/25/2014 1938
Tetrachloroethene	200	50	270	E	1	82	70-130	07/25/2014 1938
Toluene	ND	50	50		1	100	70-130	07/25/2014 1938
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	54		1	109	70-130	07/25/2014 1938
1,2,4-Trichlorobenzene	ND	50	45		1	90	70-130	07/25/2014 1938
1,1,1-Trichloroethane	ND	50	48		1	95	77-132	07/25/2014 1938
1,1,2-Trichloroethane	ND	50	47		1	95	77-132	07/25/2014 1938

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG22032-013MS
Batch: 52354
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	50	49		1	97	73-124	07/25/2014 1938
Trichlorofluoromethane	1.6	50	47		1	91	60-140	07/25/2014 1938
Vinyl chloride	ND	50	49		1	99	29-159	07/25/2014 1938
Xylenes (total)	ND	100	100		1	100	70-130	07/25/2014 1938

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG22032-013MD
Batch: 52354
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	100	92		1	92	9.9	60-140	20	07/25/2014 2002
Benzene	ND	50	50		1	99	0.45	70-130	20	07/25/2014 2002
Bromodichloromethane	ND	50	49		1	98	1.2	71-143	20	07/25/2014 2002
Bromoform	ND	50	49		1	97	3.1	65-131	20	07/25/2014 2002
Bromomethane (Methyl bromide)	ND	50	50		1	101	0.22	36-168	20	07/25/2014 2002
2-Butanone (MEK)	ND	100	87		1	87	2.2	60-140	20	07/25/2014 2002
Carbon disulfide	ND	50	41		1	82	2.1	60-140	20	07/25/2014 2002
Carbon tetrachloride	ND	50	50		1	100	0.80	37-166	20	07/25/2014 2002
Chlorobenzene	ND	50	49		1	97	1.1	78-129	20	07/25/2014 2002
Chloroethane	ND	50	53		1	106	3.9	60-140	20	07/25/2014 2002
Chloroform	ND	50	48		1	95	0.14	63-123	20	07/25/2014 2002
Chloromethane (Methyl chloride)	ND	50	50		1	101	1.4	20-158	20	07/25/2014 2002
Cyclohexane	ND	50	47		1	93	2.6	70-130	20	07/25/2014 2002
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	49		1	99	7.0	70-130	20	07/25/2014 2002
Dibromochloromethane	ND	50	49		1	98	1.2	74-134	20	07/25/2014 2002
1,2-Dibromoethane (EDB)	ND	50	49		1	98	2.2	70-130	20	07/25/2014 2002
1,2-Dichlorobenzene	ND	50	48		1	97	1.8	70-130	20	07/25/2014 2002
1,3-Dichlorobenzene	ND	50	49		1	98	1.6	70-130	20	07/25/2014 2002
1,4-Dichlorobenzene	ND	50	48		1	96	1.7	70-130	20	07/25/2014 2002
Dichlorodifluoromethane	ND	50	46		1	93	5.8	10-158	20	07/25/2014 2002
1,1-Dichloroethane	ND	50	48		1	96	0.50	69-132	20	07/25/2014 2002
1,2-Dichloroethane	2.3	50	47		1	90	0.82	70-130	20	07/25/2014 2002
1,1-Dichloroethene	ND	50	51		1	102	0.91	50-132	20	07/25/2014 2002
cis-1,2-Dichloroethene	ND	50	48		1	97	1.3	70-130	20	07/25/2014 2002
trans-1,2-Dichloroethene	ND	50	49		1	98	0.84	70-130	20	07/25/2014 2002
1,2-Dichloropropane	ND	50	51		1	101	1.3	71-126	20	07/25/2014 2002
cis-1,3-Dichloropropene	ND	50	50		1	100	2.7	69-130	20	07/25/2014 2002
trans-1,3-Dichloropropene	ND	50	48		1	97	2.0	73-131	20	07/25/2014 2002
Ethylbenzene	ND	50	50		1	101	2.1	70-130	20	07/25/2014 2002
2-Hexanone	ND	100	100		1	104	4.0	60-140	20	07/25/2014 2002
Isopropylbenzene	ND	50	52		1	103	2.5	70-130	20	07/25/2014 2002
Methyl acetate	ND	50	45		1	90	1.2	15-128	20	07/25/2014 2002
Methyl tertiary butyl ether (MTBE)	ND	50	48		1	95	4.2	70-130	20	07/25/2014 2002
4-Methyl-2-pentanone	ND	100	100		1	105	5.3	60-140	20	07/25/2014 2002
Methylcyclohexane	ND	50	51		1	103	0.35	70-130	20	07/25/2014 2002
Methylene chloride	ND	50	45		1	90	1.7	69-129	20	07/25/2014 2002
Styrene	ND	50	51		1	102	1.6	70-130	20	07/25/2014 2002
1,1,2,2-Tetrachloroethane	ND	50	49		1	97	3.3	60-155	20	07/25/2014 2002
Tetrachloroethene	200	50	270	E	1	87	0.88	70-130	20	07/25/2014 2002
Toluene	ND	50	51		1	102	2.0	70-130	20	07/25/2014 2002
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	56		1	111	2.3	70-130	20	07/25/2014 2002
1,2,4-Trichlorobenzene	ND	50	45		1	91	0.77	70-130	20	07/25/2014 2002
1,1,1-Trichloroethane	ND	50	48		1	96	0.35	77-132	20	07/25/2014 2002
1,1,2-Trichloroethane	ND	50	48		1	96	1.8	77-132	20	07/25/2014 2002

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG22032-013MD
Batch: 52354
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	50	50		1	100	3.0	73-124	20	07/25/2014 2002
Trichlorofluoromethane	1.6	50	47		1	90	0.29	60-140	20	07/25/2014 2002
Vinyl chloride	ND	50	49		1	99	0.010	29-159	20	07/25/2014 2002
Xylenes (total)	ND	100	100		1	102	1.4	70-130	20	07/25/2014 2002

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		109	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52524-001
Batch: 52524
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/28/2014 1057

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52524-002
Batch: 52524
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	50	48		1	97	70-130	07/28/2014 0921

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		111	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ52524-003
Batch: 52524
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Tetrachloroethene	50	48		1	95	1.4	70-130	20	07/28/2014 0944

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		108	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 32159

Client: TRC	Report to Contact: Lisa Clark	Sampler (Printed Name): Greg Darnell	Quote No.
Address: 30 Patewood Drive	Telephone No. / Fax No. / Email: 864-281-0030	Waybill No.	Page: 1 of 2
City: Greenville / State: SC / Zip Code: 29615	Preservative: 1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		
Project Name: WPH Clemson			
Project Number: 208464.0000.0000.000002	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: CW	DW	WW	S	Other	Analysis: VOC's	VOC's	Number of Containers	Bottle (See Instructions on back)	Preservative
									4	3	4	3	1/5
TRLK-14303	—	—	G					X		3			
DG-06C	7/18	1000	C	X					4				
DG-06B		0955		X					4				
DG-06A		1100		X					4				
DG-03S		1200		X					4				
DG-03D		1140		X					4				
DG-07		1215		X					4				
RMW-14C	7/21	0940		X					4				
RMW-14B	7/21	1015		X					4				
DU-14303	—	—		X					4				

PG22032

Turn Around Time Required (Prior lab approval required for expedited TAT): ☒ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler	7/21/14	1400	1. Received by: Sample Storage	7/21/14	1400
2. Relinquished by	7/22/14	11:12	2. Received by	7/21/14	1112
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	7/22/14	1518	4. Laboratory Received by	7/22/14	1518

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack
Receipt Temp. 2.9 °C
Temp. Blank ☐ Y / ☑ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY **Chain of Custody Record**

Number 32160

Client: TRC	Report to Contact: Lisa Clark	Sampler (Printed Name): Greg Darnell	Quote No.
Address: 30 Patewood Drive	Telephone No. / Fax No. / Email: 864-281-0030	Waybill No.	Page: 2 of 2
City: Greenville / State: SC / Zip Code: 29615	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: WPH Clemson			
Project Number: 208464.0000.0000.000002	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOC's	Number of Containers	Bottle (See Instructions on back)	Preservative
RMW-14A	7/21	1010	G	X						4		
RMW-13A	"	1110	"	X						4		
RMW-06A	"	1125	"	X						8		MS/MSD on RMW-06
RMW-19A	"	1200	"	X						4		
RBLK-14303	"	1135						X		4		

PG22032

Turn Around Time Required (Prior lab approval required for expedited TAT): ☒ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler	7/21/14	1400	1. Received by: Sample Storage	7/21/14	1400
2. Relinquished by: Lisa M. Clark	7/22/14	11:12	2. Received by: CT	7/21/14	1112
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by: CT	7/22/14	1518	4. Laboratory Received by: Clarke Tan	7/22/14	1518

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☒ Yes ☐ No ☐ Ice Pack — Receipt Temp. 2.9 °C — Temp. Blank ☐ Y / ☒ N

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Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 15

Replaces Date: 03/07/14
Effective Date: 07/15/14

Sample Receipt Checklist (SRC)

Client: TRC Cooler Inspected by/date: CMT / 7/22/14 Lot #: PG22032

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☒ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☐		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
2A6 / 2.8 / 2.9 °C ___ / ___ / ___ °C ___ / ___ / ___ °C ___ / ___ / ___ °C
Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: +0.1 °C
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☑	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____
Sample(s) _____ were not received at a pH of <2 and were adjusted accordingly using SR#

Sample labels applied by: CMT Verified by: _____ Date: 7/22/14

Comments:

Report of Analysis

TRC Companies, Inc.
Patewood Plaza One, Suite 100
30 Patewood Drive
Greenville, SC 29615-3535
Attention: Lisa Clark

Project Name: WPH Clemson

Project Number: 208464.0002.0000

Lot Number: PG24091

Date Completed: 07/31/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

PG24091

8/4/14 WPH-CLEMSON 208464.0.0.2

LAB REPORT PG24091

DATA QUALITY REVIEW

CHAINS-OF-CUSTODY — SIGNED

SAMPLE TEMPERATURE — OK

HOLD TIMES — OK

SURROGATES — RECOVERIES OK

METHOD BLANKS — LEAD 0.0023 J mg/L

A "U" FLAG IS ASSIGNED TO LEAD IN POLYTANK 14301.

TRIP BLANK (TBLK-14304) — NO DETECTIONS

LCS/LCSD — RECOVERIES AND RPDs OK. A VOC LCSD ANALYSIS WAS NOT PERFORMED. NO CORRECTIVE ACTION TAKEN.

MS/MSD — DU-14304 USED FOR VOC MS/MSD ANALYSES. RECOVERIES AND RPDs OK.

-MS/MSD NOT PERFORMED FOR METALS.

DUPLICATES — DU-14304 IS A FIELD DUPLICATE OF RMW-18A. RPD FOR TETRACHLOROETHENE IN RMW-18A/DU-14304 IS 85%.

A "J" FLAG IS ASSIGNED TO TETRACHLOROETHENE IN RMW-18A AND DU-14304.

TLH 8/4/14

Case Narrative
TRC Companies, Inc.
Lot Number: PG24091

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

RCRA Metals

The method blank associated with batch 52344 had a detection for Pb below the PQL. No corrective action was required as the detection was a "J" value detection. It was below the PQL but above the MDL.

Sample Summary
TRC Companies, Inc.
Lot Number: PG24091

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	TBLK-14304	Aqueous	07/22/2014	07/24/2014
002	RMW-08A	Aqueous	07/22/2014 0930	07/24/2014
003	RMW-18A	Aqueous	07/22/2014 0910	07/24/2014
004	MG-05A	Aqueous	07/22/2014 1055	07/24/2014
005	RMW-17A	Aqueous	07/22/2014 1045	07/24/2014
006	MG-06	Aqueous	07/22/2014 1210	07/24/2014
007	MG-02	Aqueous	07/22/2014 1215	07/24/2014
008	DG-01	Aqueous	07/23/2014 0900	07/24/2014
009	DG-05	Aqueous	07/23/2014 0930	07/24/2014
010	DU-14304	Aqueous	07/22/2014	07/24/2014
011	MW-09	Aqueous	07/23/2014 1015	07/24/2014
012	MW-12	Aqueous	07/23/2014 1100	07/24/2014
013	MW-11	Aqueous	07/23/2014 1150	07/24/2014
014	POLYTANK 14301	Aqueous	07/23/2014 1230	07/24/2014

(14 samples)

Executive Summary

TRC Companies, Inc.

Lot Number: PG24091

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	RMW-08A	Aqueous	Tetrachloroethene	8260B	1100		ug/L	7
003	RMW-18A	Aqueous	Tetrachloroethene	8260B	9900		ug/L	9
004	MG-05A	Aqueous	Tetrachloroethene	8260B	3200		ug/L	11
005	RMW-17A	Aqueous	Tetrachloroethene	8260B	820		ug/L	13
009	DG-05	Aqueous	Tetrachloroethene	8260B	0.47	J	ug/L	21
009	DG-05	Aqueous	Trichlorofluoromethane	8260B	3.6	J	ug/L	22
010	DU-14304	Aqueous	Tetrachloroethene	8260B	4000		ug/L	23
012	MW-12	Aqueous	Tetrachloroethene	8260B	56		ug/L	27
014	POLYTANK 14301	Aqueous	Tetrachloroethene	8260B	120		ug/L	31
014	POLYTANK 14301	Aqueous	Trichloroethene	8260B	1.8	J	ug/L	32
014	POLYTANK 14301	Aqueous	Barium	6010C	0.018	J	mg/L	32
014	POLYTANK 14301	Aqueous	Chromium	6010C	0.015		mg/L	32
014	POLYTANK 14301	Aqueous	Lead	6010C	0.0036	BJ	mg/L	32
014	POLYTANK 14301	Aqueous	Mercury	7470A	0.000027	J	mg/L	32

(14 detections)

Client: TRC Companies, Inc.
Description: TBLK-14304
Date Sampled: 07/22/2014
Date Received: 07/24/2014

Laboratory ID: PG24091-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1221	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: TBLK-14304
Date Sampled: 07/22/2014
Date Received: 07/24/2014

Laboratory ID: PG24091-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1221	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-08A
Date Sampled: 07/22/2014 0930
Date Received: 07/24/2014

Laboratory ID: PG24091-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/26/2014 1735	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		400	130	ug/L	1
Benzene	71-43-2	8260B	ND		100	4.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		100	34	ug/L	1
Bromoform	75-25-2	8260B	ND		100	8.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		100	16	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		200	36	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		100	6.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		100	8.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		100	34	ug/L	1
Chloroethane	75-00-3	8260B	ND		100	10	ug/L	1
Chloroform	67-66-3	8260B	ND		100	34	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		100	6.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		100	20	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		100	12	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		100	34	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		100	6.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		100	34	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		100	34	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		100	34	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		100	4.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		100	6.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	6.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		100	10	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		100	4.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		100	8.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		100	6.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		100	6.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		100	6.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		100	34	ug/L	1
2-Hexanone	591-78-6	8260B	ND		200	20	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		100	20	ug/L	1
Methyl acetate	79-20-9	8260B	ND		100	14	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	8.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	16	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		100	19	ug/L	1
Methylene chloride	75-09-2	8260B	ND		100	34	ug/L	1
Styrene	100-42-5	8260B	ND		100	2.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		100	8.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	1100		100	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		100	34	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-08A
Date Sampled: 07/22/2014 0930
Date Received: 07/24/2014

Laboratory ID: PG24091-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/26/2014 1735	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		100	6.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		100	34	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		100	4.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		100	6.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		100	6.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		100	6.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		40	2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		100	34	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-18A
Date Sampled: 07/22/2014 0910
Date Received: 07/24/2014

Laboratory ID: PG24091-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	07/26/2014 1759	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		2000	670	ug/L	1
Benzene	71-43-2	8260B	ND		500	20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		500	170	ug/L	1
Bromoform	75-25-2	8260B	ND		500	40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		500	80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		1000	180	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		500	30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		500	40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		500	170	ug/L	1
Chloroethane	75-00-3	8260B	ND		500	50	ug/L	1
Chloroform	67-66-3	8260B	ND		500	170	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		500	30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		500	98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		500	60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		500	170	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		500	30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		500	170	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		500	170	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		500	170	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		500	20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		500	30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		500	30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		500	50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		500	20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		500	40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		500	30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		500	30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		500	30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		500	170	ug/L	1
2-Hexanone	591-78-6	8260B	ND		1000	100	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		500	100	ug/L	1
Methyl acetate	79-20-9	8260B	ND		500	72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		500	40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		1000	80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		500	95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		500	170	ug/L	1
Styrene	100-42-5	8260B	ND		500	10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		500	40	ug/L	1
Tetrachloroethene	127-18-4	8260B	9900		500	40	ug/L	1
Toluene	108-88-3	8260B	ND		500	170	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-18A
Date Sampled: 07/22/2014 0910
Date Received: 07/24/2014

Laboratory ID: PG24091-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	07/26/2014 1759	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		500	30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		500	170	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		500	20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		500	30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		500	30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		500	30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		200	10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		500	170	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MG-05A
Date Sampled: 07/22/2014 1055
Date Received: 07/24/2014

Laboratory ID: PG24091-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	07/26/2014 1823	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	340	ug/L	1
Benzene	71-43-2	8260B	ND		250	10	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		250	85	ug/L	1
Bromoform	75-25-2	8260B	ND		250	20	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		250	40	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		500	90	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		250	15	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		250	20	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		250	85	ug/L	1
Chloroethane	75-00-3	8260B	ND		250	25	ug/L	1
Chloroform	67-66-3	8260B	ND		250	85	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		250	15	ug/L	1
Cyclohexane	110-82-7	8260B	ND		250	49	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		250	30	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		250	85	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		250	15	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		250	85	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		250	85	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		250	85	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		250	10	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		250	15	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		250	15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		250	25	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		250	10	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		250	20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		250	15	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		250	15	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		250	15	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		250	85	ug/L	1
2-Hexanone	591-78-6	8260B	ND		500	50	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		250	50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		250	36	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		250	20	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		500	40	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		250	48	ug/L	1
Methylene chloride	75-09-2	8260B	ND		250	85	ug/L	1
Styrene	100-42-5	8260B	ND		250	5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		250	20	ug/L	1
Tetrachloroethene	127-18-4	8260B	3200		250	20	ug/L	1
Toluene	108-88-3	8260B	ND		250	85	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MG-05A
Date Sampled: 07/22/2014 1055
Date Received: 07/24/2014

Laboratory ID: PG24091-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	07/26/2014 1823	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		250	15	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		250	85	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		250	10	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		250	15	ug/L	1
Trichloroethene	79-01-6	8260B	ND		250	15	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		250	15	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		100	5.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		250	85	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-17A
Date Sampled: 07/22/2014 1045
Date Received: 07/24/2014

Laboratory ID: PG24091-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/26/2014 1847	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		400	130	ug/L	1
Benzene	71-43-2	8260B	ND		100	4.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		100	34	ug/L	1
Bromoform	75-25-2	8260B	ND		100	8.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		100	16	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		200	36	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		100	6.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		100	8.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		100	34	ug/L	1
Chloroethane	75-00-3	8260B	ND		100	10	ug/L	1
Chloroform	67-66-3	8260B	ND		100	34	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		100	6.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		100	20	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		100	12	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		100	34	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		100	6.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		100	34	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		100	34	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		100	34	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		100	4.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		100	6.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	6.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		100	10	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		100	4.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		100	8.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		100	6.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		100	6.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		100	6.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		100	34	ug/L	1
2-Hexanone	591-78-6	8260B	ND		200	20	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		100	20	ug/L	1
Methyl acetate	79-20-9	8260B	ND		100	14	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	8.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	16	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		100	19	ug/L	1
Methylene chloride	75-09-2	8260B	ND		100	34	ug/L	1
Styrene	100-42-5	8260B	ND		100	2.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		100	8.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	820		100	8.0	ug/L	1
Toluene	108-88-3	8260B	ND		100	34	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-17A
Date Sampled: 07/22/2014 1045
Date Received: 07/24/2014

Laboratory ID: PG24091-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	07/26/2014 1847	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		100	6.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		100	34	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		100	4.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		100	6.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		100	6.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		100	6.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		40	2.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		100	34	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MG-06
Date Sampled: 07/22/2014 1210
Date Received: 07/24/2014

Laboratory ID: PG24091-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1245	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MG-06
Date Sampled: 07/22/2014 1210
Date Received: 07/24/2014

Laboratory ID: PG24091-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1245	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MG-02
Date Sampled: 07/22/2014 1215
Date Received: 07/24/2014

Laboratory ID: PG24091-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1309	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MG-02
Date Sampled: 07/22/2014 1215
Date Received: 07/24/2014

Laboratory ID: PG24091-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1309	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-01
Date Sampled: 07/23/2014 0900
Date Received: 07/24/2014

Laboratory ID: PG24091-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1333	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-01
Date Sampled: 07/23/2014 0900
Date Received: 07/24/2014

Laboratory ID: PG24091-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1333	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-05
Date Sampled: 07/23/2014 0930
Date Received: 07/24/2014

Laboratory ID: PG24091-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1358	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.47	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DG-05
Date Sampled: 07/23/2014 0930
Date Received: 07/24/2014

Laboratory ID: PG24091-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1358	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	3.6	J	5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DU-14304
Date Sampled: 07/22/2014
Date Received: 07/24/2014

Laboratory ID: PG24091-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	07/26/2014 1911	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		2000	670	ug/L	1
Benzene	71-43-2	8260B	ND		500	20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		500	170	ug/L	1
Bromoform	75-25-2	8260B	ND		500	40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		500	80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		1000	180	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		500	30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		500	40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		500	170	ug/L	1
Chloroethane	75-00-3	8260B	ND		500	50	ug/L	1
Chloroform	67-66-3	8260B	ND		500	170	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		500	30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		500	98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		500	60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		500	170	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		500	30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		500	170	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		500	170	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		500	170	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		500	20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		500	30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		500	30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		500	50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		500	20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		500	40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		500	30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		500	30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		500	30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		500	170	ug/L	1
2-Hexanone	591-78-6	8260B	ND		1000	100	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		500	100	ug/L	1
Methyl acetate	79-20-9	8260B	ND		500	72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		500	40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		1000	80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		500	95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		500	170	ug/L	1
Styrene	100-42-5	8260B	ND		500	10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		500	40	ug/L	1
Tetrachloroethene	127-18-4	8260B	4000		500	40	ug/L	1
Toluene	108-88-3	8260B	ND		500	170	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: DU-14304
Date Sampled: 07/22/2014
Date Received: 07/24/2014

Laboratory ID: PG24091-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	100	07/26/2014 1911	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		500	30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		500	170	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		500	20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		500	30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		500	30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		500	30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		200	10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		500	170	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		106	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MW-09
Date Sampled: 07/23/2014 1015
Date Received: 07/24/2014

Laboratory ID: PG24091-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1422	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MW-09
Date Sampled: 07/23/2014 1015
Date Received: 07/24/2014

Laboratory ID: PG24091-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1422	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MW-12
Date Sampled: 07/23/2014 1100
Date Received: 07/24/2014

Laboratory ID: PG24091-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1446	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	56		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MW-12
Date Sampled: 07/23/2014 1100
Date Received: 07/24/2014

Laboratory ID: PG24091-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1446	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		108	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MW-11
Date Sampled: 07/23/2014 1150
Date Received: 07/24/2014

Laboratory ID: PG24091-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1510	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: MW-11
Date Sampled: 07/23/2014 1150
Date Received: 07/24/2014

Laboratory ID: PG24091-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1510	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: POLYTANK 14301
Date Sampled: 07/23/2014 1230
Date Received: 07/24/2014

Laboratory ID: PG24091-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1936	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	120		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: POLYTANK 14301
Date Sampled: 07/23/2014 1230
Date Received: 07/24/2014

Laboratory ID: PG24091-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2014 1936	EH1		52429

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	1.8	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		105	70-130

RCRA Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	07/28/2014 1842	COH	07/28/2014 1439	52494
1	3005A	6010C	1	07/29/2014 0126	CDF	07/25/2014 1404	52344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.010	0.0040	mg/L	1
Barium	7440-39-3	6010C	0.018	J	0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010C	0.015		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010C	0.0036	BJ	0.010	0.0019	mg/L	1
Mercury	7439-97-6	7470A	0.000027	J	0.00010	0.000015	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	0.0026	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	0.00040	mg/L	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52429-001
Batch: 52429
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	07/26/2014 1157
Benzene	ND		1	5.0	0.20	ug/L	07/26/2014 1157
Bromodichloromethane	ND		1	5.0	1.7	ug/L	07/26/2014 1157
Bromoform	ND		1	5.0	0.40	ug/L	07/26/2014 1157
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	07/26/2014 1157
2-Butanone (MEK)	ND		1	10	1.8	ug/L	07/26/2014 1157
Carbon disulfide	ND		1	5.0	0.30	ug/L	07/26/2014 1157
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	07/26/2014 1157
Chlorobenzene	ND		1	5.0	1.7	ug/L	07/26/2014 1157
Chloroethane	ND		1	5.0	0.50	ug/L	07/26/2014 1157
Chloroform	ND		1	5.0	1.7	ug/L	07/26/2014 1157
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	07/26/2014 1157
Cyclohexane	ND		1	5.0	0.98	ug/L	07/26/2014 1157
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	07/26/2014 1157
Dibromochloromethane	ND		1	5.0	1.7	ug/L	07/26/2014 1157
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	07/26/2014 1157
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/26/2014 1157
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/26/2014 1157
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	07/26/2014 1157
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	07/26/2014 1157
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	07/26/2014 1157
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	07/26/2014 1157
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	07/26/2014 1157
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	07/26/2014 1157
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	07/26/2014 1157
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	07/26/2014 1157
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/26/2014 1157
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	07/26/2014 1157
Ethylbenzene	ND		1	5.0	1.7	ug/L	07/26/2014 1157
2-Hexanone	ND		1	10	1.0	ug/L	07/26/2014 1157
Isopropylbenzene	ND		1	5.0	1.0	ug/L	07/26/2014 1157
Methyl acetate	ND		1	5.0	0.72	ug/L	07/26/2014 1157
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	07/26/2014 1157
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	07/26/2014 1157
Methylcyclohexane	ND		1	5.0	0.95	ug/L	07/26/2014 1157
Methylene chloride	ND		1	5.0	1.7	ug/L	07/26/2014 1157
Styrene	ND		1	5.0	0.10	ug/L	07/26/2014 1157
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	07/26/2014 1157
Tetrachloroethene	ND		1	5.0	0.40	ug/L	07/26/2014 1157
Toluene	ND		1	5.0	1.7	ug/L	07/26/2014 1157
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	07/26/2014 1157
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	07/26/2014 1157
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	07/26/2014 1157
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	07/26/2014 1157

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ52429-001
Batch: 52429
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	07/26/2014 1157
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	07/26/2014 1157
Vinyl chloride	ND		1	2.0	0.10	ug/L	07/26/2014 1157
Xylenes (total)	ND		1	5.0	1.7	ug/L	07/26/2014 1157

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52429-002
Batch: 52429
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	106	60-140	07/26/2014 1045
Benzene	50	49		1	98	70-130	07/26/2014 1045
Bromodichloromethane	50	49		1	97	70-130	07/26/2014 1045
Bromoform	50	50		1	100	70-130	07/26/2014 1045
Bromomethane (Methyl bromide)	50	50		1	99	60-140	07/26/2014 1045
2-Butanone (MEK)	100	96		1	96	60-140	07/26/2014 1045
Carbon disulfide	50	47		1	95	60-140	07/26/2014 1045
Carbon tetrachloride	50	48		1	95	70-130	07/26/2014 1045
Chlorobenzene	50	49		1	98	70-130	07/26/2014 1045
Chloroethane	50	50		1	99	42-163	07/26/2014 1045
Chloroform	50	47		1	94	70-130	07/26/2014 1045
Chloromethane (Methyl chloride)	50	48		1	96	60-140	07/26/2014 1045
Cyclohexane	50	46		1	91	70-130	07/26/2014 1045
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	70-130	07/26/2014 1045
Dibromochloromethane	50	50		1	101	70-130	07/26/2014 1045
1,2-Dibromoethane (EDB)	50	50		1	101	70-130	07/26/2014 1045
1,2-Dichlorobenzene	50	49		1	99	70-130	07/26/2014 1045
1,4-Dichlorobenzene	50	50		1	100	70-130	07/26/2014 1045
1,3-Dichlorobenzene	50	50		1	100	70-130	07/26/2014 1045
Dichlorodifluoromethane	50	48		1	97	60-140	07/26/2014 1045
1,1-Dichloroethane	50	48		1	95	70-130	07/26/2014 1045
1,2-Dichloroethane	50	47		1	94	70-130	07/26/2014 1045
1,1-Dichloroethene	50	47		1	94	70-130	07/26/2014 1045
cis-1,2-Dichloroethene	50	49		1	98	70-130	07/26/2014 1045
trans-1,2-Dichloroethene	50	48		1	95	70-130	07/26/2014 1045
1,2-Dichloropropane	50	50		1	101	70-130	07/26/2014 1045
cis-1,3-Dichloropropene	50	51		1	102	70-130	07/26/2014 1045
trans-1,3-Dichloropropene	50	52		1	104	70-130	07/26/2014 1045
Ethylbenzene	50	50		1	100	70-130	07/26/2014 1045
2-Hexanone	100	110		1	107	60-140	07/26/2014 1045
Isopropylbenzene	50	51		1	102	70-130	07/26/2014 1045
Methyl acetate	50	47		1	93	70-130	07/26/2014 1045
Methyl tertiary butyl ether (MTBE)	50	48		1	97	70-130	07/26/2014 1045
4-Methyl-2-pentanone	100	100		1	104	60-140	07/26/2014 1045
Methylcyclohexane	50	50		1	99	70-130	07/26/2014 1045
Methylene chloride	50	47		1	94	70-130	07/26/2014 1045
Styrene	50	51		1	102	70-130	07/26/2014 1045
1,1,2,2-Tetrachloroethane	50	50		1	99	70-130	07/26/2014 1045
Tetrachloroethene	50	50		1	99	70-130	07/26/2014 1045
Toluene	50	49		1	99	70-130	07/26/2014 1045
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	103	70-130	07/26/2014 1045
1,2,4-Trichlorobenzene	50	48		1	97	70-130	07/26/2014 1045
1,1,2-Trichloroethane	50	50		1	100	70-130	07/26/2014 1045
1,1,1-Trichloroethane	50	47		1	94	70-130	07/26/2014 1045

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ52429-002
Batch: 52429
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	98	70-130	07/26/2014 1045
Trichlorofluoromethane	50	44		1	88	70-130	07/26/2014 1045
Vinyl chloride	50	47		1	94	70-130	07/26/2014 1045
Xylenes (total)	100	100		1	102	70-130	07/26/2014 1045

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG24091-010MS
Batch: 52429
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	10000	11000		100	106	60-140	07/26/2014 2024
Benzene	ND	5000	4800		100	96	70-130	07/26/2014 2024
Bromodichloromethane	ND	5000	4700		100	94	71-143	07/26/2014 2024
Bromoform	ND	5000	4700		100	94	65-131	07/26/2014 2024
Bromomethane (Methyl bromide)	ND	5000	5000		100	100	36-168	07/26/2014 2024
2-Butanone (MEK)	ND	10000	10000		100	101	60-140	07/26/2014 2024
Carbon disulfide	ND	5000	4900		100	97	60-140	07/26/2014 2024
Carbon tetrachloride	ND	5000	4800		100	96	37-166	07/26/2014 2024
Chlorobenzene	ND	5000	4800		100	95	78-129	07/26/2014 2024
Chloroethane	ND	5000	5000		100	101	60-140	07/26/2014 2024
Chloroform	ND	5000	4600		100	92	63-123	07/26/2014 2024
Chloromethane (Methyl chloride)	ND	5000	5000		100	100	20-158	07/26/2014 2024
Cyclohexane	ND	5000	4600		100	92	70-130	07/26/2014 2024
1,2-Dibromo-3-chloropropane (DBCP)	ND	5000	4600		100	91	70-130	07/26/2014 2024
Dibromochloromethane	ND	5000	4800		100	96	74-134	07/26/2014 2024
1,2-Dibromoethane (EDB)	ND	5000	4800		100	96	70-130	07/26/2014 2024
1,2-Dichlorobenzene	ND	5000	4700		100	94	70-130	07/26/2014 2024
1,3-Dichlorobenzene	ND	5000	4800		100	96	70-130	07/26/2014 2024
1,4-Dichlorobenzene	ND	5000	4700		100	93	70-130	07/26/2014 2024
Dichlorodifluoromethane	ND	5000	5100		100	101	10-158	07/26/2014 2024
1,1-Dichloroethane	ND	5000	4700		100	94	69-132	07/26/2014 2024
1,2-Dichloroethane	ND	5000	4500		100	90	70-130	07/26/2014 2024
1,1-Dichloroethene	ND	5000	4900		100	98	50-132	07/26/2014 2024
cis-1,2-Dichloroethene	ND	5000	4700		100	94	70-130	07/26/2014 2024
trans-1,2-Dichloroethene	ND	5000	4700		100	95	70-130	07/26/2014 2024
1,2-Dichloropropane	ND	5000	4900		100	98	71-126	07/26/2014 2024
cis-1,3-Dichloropropene	ND	5000	4800		100	95	69-130	07/26/2014 2024
trans-1,3-Dichloropropene	ND	5000	4700		100	94	73-131	07/26/2014 2024
Ethylbenzene	ND	5000	4900		100	98	70-130	07/26/2014 2024
2-Hexanone	ND	10000	10000		100	100	60-140	07/26/2014 2024
Isopropylbenzene	ND	5000	5000		100	100	70-130	07/26/2014 2024
Methyl acetate	ND	5000	4700		100	94	15-128	07/26/2014 2024
Methyl tertiary butyl ether (MTBE)	ND	5000	4700		100	94	70-130	07/26/2014 2024
4-Methyl-2-pentanone	ND	10000	10000		100	101	60-140	07/26/2014 2024
Methylcyclohexane	ND	5000	5000		100	99	70-130	07/26/2014 2024
Methylene chloride	ND	5000	4600		100	91	69-129	07/26/2014 2024
Styrene	ND	5000	4900		100	99	70-130	07/26/2014 2024
1,1,2,2-Tetrachloroethane	ND	5000	4700		100	93	60-155	07/26/2014 2024
Tetrachloroethene	4000	5000	9000		100	100	70-130	07/26/2014 2024
Toluene	ND	5000	4900		100	98	70-130	07/26/2014 2024
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	5400		100	107	70-130	07/26/2014 2024
1,2,4-Trichlorobenzene	ND	5000	4400		100	88	70-130	07/26/2014 2024
1,1,1-Trichloroethane	ND	5000	4700		100	95	77-132	07/26/2014 2024
1,1,2-Trichloroethane	ND	5000	4700		100	95	77-132	07/26/2014 2024

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PG24091-010MS
Batch: 52429
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	5000	4800		100	97	73-124	07/26/2014 2024
Trichlorofluoromethane	ND	5000	4400		100	89	60-140	07/26/2014 2024
Vinyl chloride	ND	5000	5000		100	99	29-159	07/26/2014 2024
Xylenes (total)	ND	10000	9900		100	99	70-130	07/26/2014 2024

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG24091-010MD
Batch: 52429
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	10000	10000		100	105	1.3	60-140	20	07/26/2014 2048
Benzene	ND	5000	4900		100	97	1.1	70-130	20	07/26/2014 2048
Bromodichloromethane	ND	5000	4700		100	95	0.96	71-143	20	07/26/2014 2048
Bromoform	ND	5000	4800		100	96	1.5	65-131	20	07/26/2014 2048
Bromomethane (Methyl bromide)	ND	5000	4900		100	98	1.6	36-168	20	07/26/2014 2048
2-Butanone (MEK)	ND	10000	8900		100	89	12	60-140	20	07/26/2014 2048
Carbon disulfide	ND	5000	4900		100	98	0.74	60-140	20	07/26/2014 2048
Carbon tetrachloride	ND	5000	4900		100	98	2.3	37-166	20	07/26/2014 2048
Chlorobenzene	ND	5000	4800		100	96	1.0	78-129	20	07/26/2014 2048
Chloroethane	ND	5000	5100		100	103	2.1	60-140	20	07/26/2014 2048
Chloroform	ND	5000	4700		100	93	1.4	63-123	20	07/26/2014 2048
Chloromethane (Methyl chloride)	ND	5000	5000		100	100	0.15	20-158	20	07/26/2014 2048
Cyclohexane	ND	5000	4700		100	95	2.4	70-130	20	07/26/2014 2048
1,2-Dibromo-3-chloropropane (DBCP)	ND	5000	4700		100	94	2.6	70-130	20	07/26/2014 2048
Dibromochloromethane	ND	5000	4900		100	97	1.8	74-134	20	07/26/2014 2048
1,2-Dibromoethane (EDB)	ND	5000	4800		100	97	1.0	70-130	20	07/26/2014 2048
1,2-Dichlorobenzene	ND	5000	4800		100	96	2.0	70-130	20	07/26/2014 2048
1,3-Dichlorobenzene	ND	5000	4900		100	97	1.7	70-130	20	07/26/2014 2048
1,4-Dichlorobenzene	ND	5000	4800		100	96	2.6	70-130	20	07/26/2014 2048
Dichlorodifluoromethane	ND	5000	4900		100	98	3.0	10-158	20	07/26/2014 2048
1,1-Dichloroethane	ND	5000	4800		100	95	1.6	69-132	20	07/26/2014 2048
1,2-Dichloroethane	ND	5000	4500		100	90	0.31	70-130	20	07/26/2014 2048
1,1-Dichloroethene	ND	5000	5000		100	99	1.0	50-132	20	07/26/2014 2048
cis-1,2-Dichloroethene	ND	5000	4800		100	96	1.7	70-130	20	07/26/2014 2048
trans-1,2-Dichloroethene	ND	5000	4900		100	98	3.2	70-130	20	07/26/2014 2048
1,2-Dichloropropane	ND	5000	4900		100	99	1.2	71-126	20	07/26/2014 2048
cis-1,3-Dichloropropene	ND	5000	4800		100	96	0.85	69-130	20	07/26/2014 2048
trans-1,3-Dichloropropene	ND	5000	4800		100	95	1.9	73-131	20	07/26/2014 2048
Ethylbenzene	ND	5000	5000		100	99	1.3	70-130	20	07/26/2014 2048
2-Hexanone	ND	10000	10000		100	102	1.8	60-140	20	07/26/2014 2048
Isopropylbenzene	ND	5000	5100		100	102	2.2	70-130	20	07/26/2014 2048
Methyl acetate	ND	5000	4400		100	89	5.3	15-128	20	07/26/2014 2048
Methyl tertiary butyl ether (MTBE)	ND	5000	4600		100	93	0.94	70-130	20	07/26/2014 2048
4-Methyl-2-pentanone	ND	10000	9900		100	99	1.9	60-140	20	07/26/2014 2048
Methylcyclohexane	ND	5000	5100		100	102	2.8	70-130	20	07/26/2014 2048
Methylene chloride	ND	5000	4600		100	92	1.1	69-129	20	07/26/2014 2048
Styrene	ND	5000	5000		100	101	1.8	70-130	20	07/26/2014 2048
1,1,2,2-Tetrachloroethane	ND	5000	4900		100	97	4.3	60-155	20	07/26/2014 2048
Tetrachloroethene	4000	5000	8800		100	96	2.0	70-130	20	07/26/2014 2048
Toluene	ND	5000	4900		100	99	0.71	70-130	20	07/26/2014 2048
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	5400		100	108	1.2	70-130	20	07/26/2014 2048
1,2,4-Trichlorobenzene	ND	5000	4600		100	92	4.2	70-130	20	07/26/2014 2048
1,1,1-Trichloroethane	ND	5000	4800		100	96	1.6	77-132	20	07/26/2014 2048
1,1,2-Trichloroethane	ND	5000	4800		100	97	1.7	77-132	20	07/26/2014 2048

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PG24091-010MD
Batch: 52429
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	5000	4900		100	97	0.28	73-124	20	07/26/2014 2048
Trichlorofluoromethane	ND	5000	4600		100	92	3.0	60-140	20	07/26/2014 2048
Vinyl chloride	ND	5000	4900		100	99	0.56	29-159	20	07/26/2014 2048
Xylenes (total)	ND	10000	10000		100	100	0.79	70-130	20	07/26/2014 2048

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		109	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: PQ52344-001
Batch: 52344
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 07/25/2014 1404

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.010	0.0040	mg/L	07/29/2014 0018
Barium	ND		1	0.025	0.0075	mg/L	07/29/2014 0018
Cadmium	ND		1	0.0020	0.00060	mg/L	07/29/2014 0018
Chromium	ND		1	0.0050	0.0021	mg/L	07/29/2014 0018
Lead	0.0023	J	1	0.010	0.0019	mg/L	07/29/2014 0018
Selenium	ND		1	0.010	0.0026	mg/L	07/29/2014 0018
Silver	ND		1	0.0050	0.00040	mg/L	07/29/2014 0018

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: PQ52344-002
Batch: 52344
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 07/25/2014 1404

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.42		1	104	80-120	07/29/2014 0022
Barium	2.0	2.0		1	102	80-120	07/29/2014 0022
Cadmium	0.40	0.42		1	105	80-120	07/29/2014 0022
Chromium	2.0	2.1		1	107	80-120	07/29/2014 0022
Lead	0.40	0.43		1	108	80-120	07/29/2014 0022
Selenium	0.40	0.43		1	108	80-120	07/29/2014 0022
Silver	0.40	0.43		1	109	80-120	07/29/2014 0022

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: PQ52344-003
Batch: 52344
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 07/25/2014 1404

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.42		1	105	1.0	80-120	20	07/29/2014 0026
Barium	2.0	2.0		1	101	0.55	80-120	20	07/29/2014 0026
Cadmium	0.40	0.42		1	104	0.85	80-120	20	07/29/2014 0026
Chromium	2.0	2.1		1	107	0.18	80-120	20	07/29/2014 0026
Lead	0.40	0.43		1	108	0.44	80-120	20	07/29/2014 0026
Selenium	0.40	0.43		1	107	1.6	80-120	20	07/29/2014 0026
Silver	0.40	0.43		1	108	0.25	80-120	20	07/29/2014 0026

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: PQ52494-001
Batch: 52494
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 07/28/2014 1439

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000015	mg/L	07/28/2014 1834

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: PQ52494-002
Batch: 52494
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 07/28/2014 1439

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0020		1	98	85-115	07/28/2014 1837

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: PQ52494-003
Batch: 52494
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 07/28/2014 1439

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0020		1	100	2.0	85-115	20	07/28/2014 1839

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 25626

Client: TRC	Report to Contact: Lisa Clark	Sampler (Printed Name): Greg Darnell	Quote No.
Address: 30 Patewood Drive	Telephone No. / Fax No. / Email: 864-281-0030	Waybill No.	Page: 1 of 2
City: Greenville State: SC Zip Code: 29615	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: WPA Clemson			
Project Number: 208464.0000.0000.00002	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOC's	VOC's	Number of Containers	Bottle (See Instructions on back)	Preservative
									4	3			
									A	A			
									1/5	1/5			
TBLK-14304	—	—	G					X		3			
RMW-08A	7/22	0930		X					4				
RMW-18A		0910		X					4				
MG-05A		1055		X					4				
RMW-17A		1045		X					4				
MG-06		1210		X					4				
MG-02		1215		X					4				
DG-01	7/23	0900		X					4				
DG-05	7/23	0930		X					4				
DU-14304	—	—		X					4				

PG24091

Turn Around Time Required (Prior lab approval required for expedited TAT): X Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sample	7/24/14	1000	1. Received by: TRC Sample Storage	7/24/14	1000
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	7/24/14	1638	4. Laboratory Received by	7/24/14	1638

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack
Receipt Temp. 4.0 °C
Temp. Blank ☐ Y / ☐ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

CHAIN OF CUSTODY RECORD

77470 2/2

TRC

30 Patewood Drive, Suite 100, Patewood Plaza One, Greenville, SC 29615-3535
Phone 864/281-0030 • Fax 864/281-0288

Project No. 208444.0000.0000 Project/Client: 000002 WPH Clemson

Project Manager/Contact Person: Lisa Clark

Lab No.	Yr.14 Date	Time	Sample Station ID	Total Number of Containers	MATRIX	Analyses Requested: VOCs	RCRA Metals	Filtered (Yes/No)	Preserved (Code)	Comments:
	7/23	1015	MW-09	4	GW	X		N	A	
	"	1100	MW-12	4	"	X		N	A	
	"	1150	MW-11	4	"	X		N	A	
	"	1230	PolyTank 14301	6	"	X	X	N	B	

PRESERVED CODES
A — NONE
B — HNO_3
C — H_2SO_4
D — NaOH
E — HCl
F — METHANOL
G —

PG24091

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	7/24/14 1000	TRC Sample Storage 7/24	1000
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	7/24/14 1638		7/24/14 1638

Custody Seal: Present/Absent Intact/Not Intact Seal #s

HAZARDS ASSOCIATED WITH SAMPLES
☐ Flammable
☐ Corrosive
☐ Highly Toxic
☐ Other (list)

Turn Around (circle one) Normal Rush
Report Due

(For Lab Use Only)
Receipt Temp:
Temp Blank Y N
Receipt pH (Wet/Metals)

F-268 (10/08)

WHITE—LABORATORY COPY YELLOW—REPORT APPENDIX PINK—SAMPLER/SUBMITTER

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 15

Page 1 of 1
Replaces Date: 03/07/14
Effective Date: 07/15/14

Sample Receipt Checklist (SRC)

Client: TRC Cooler Inspected by/date: mam /07-24-14 Lot #: 140491

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 13.9 / 14.0 °C ___/___/___ °C ___/___/___ °C ___/___/___ °C Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: 0.1 °C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
mm 24/14 Yes ☑	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR #_____.			
Sample(s)_____ were received with bubbles >6 mm in diameter.			
Sample(s)_____ were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____ Sample(s)_____ were not received at a pH of <2 and were adjusted accordingly using SR#			
Sample labels applied by: mam Verified by: mam Date: 7/24/14			

Comments:

Report of Analysis

TRC Companies, Inc.
Patewood Plaza One, Suite 100
30 Patewood Drive
Greenville, SC 29615-3535
Attention: Lisa Clark

Project Name: WPH - GW Sampling

Project Number: 208464.0.0

Lot Number: PH13103

Date Completed: 08/18/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

PH13103

8/19/14

WPH-CLEMSON 208464.0.0.2

LAB REPORT PH13603

DATA QUALITY REVIEW

CHAIN-OF-CUSTODY — SIGNED

SAMPLE TEMPERATURE — OK

HOLD TIME — OK

SURROGATES — RECOVERIES OK

METHOD BLANK — NO DETECTIONS

TRIP BLANK (TBLK-14310) — NO DETECTIONS

LCS/LCSD — RECOVERIES AND RPDs OK

MS/MSD — NOT ANALYZED

DUPLICATES — NONE COLLECTED OR ANALYZED.

NO FLAGS

TLH 8/19/14

Case Narrative
TRC Companies, Inc.
Lot Number: PH13103

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary
TRC Companies, Inc.
Lot Number: PH13103

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	TBLK14310	Aqueous	08/12/2014	08/13/2014
002	RMW-23	Aqueous	08/12/2014 1130	08/13/2014

(2 samples)

Executive Summary

TRC Companies, Inc.

Lot Number: PH13103

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	RMW-23	Aqueous	cis-1,2-Dichloroethene	8260B	0.73	J	ug/L	7
002	RMW-23	Aqueous	Tetrachloroethene	8260B	2.0	J	ug/L	7

(2 detections)

Client: TRC Companies, Inc.
Description: TBLK14310
Date Sampled: 08/12/2014
Date Received: 08/13/2014

Laboratory ID: PH13103-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2014 0135	PMM2		54055

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: TBLK14310
Date Sampled: 08/12/2014
Date Received: 08/13/2014

Laboratory ID: PH13103-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2014 0135	PMM2		54055

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-23
Date Sampled: 08/12/2014 1130
Date Received: 08/13/2014

Laboratory ID: PH13103-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2014 0610	PMM2		54055

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.73	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	2.0	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: TRC Companies, Inc.
Description: RMW-23
Date Sampled: 08/12/2014 1130
Date Received: 08/13/2014

Laboratory ID: PH13103-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/15/2014 0610	PMM2		54055

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ54055-001
Batch: 54055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	08/14/2014 2342
Benzene	ND		1	5.0	0.20	ug/L	08/14/2014 2342
Bromodichloromethane	ND		1	5.0	1.7	ug/L	08/14/2014 2342
Bromoform	ND		1	5.0	0.40	ug/L	08/14/2014 2342
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	08/14/2014 2342
2-Butanone (MEK)	ND		1	10	1.8	ug/L	08/14/2014 2342
Carbon disulfide	ND		1	5.0	0.30	ug/L	08/14/2014 2342
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	08/14/2014 2342
Chlorobenzene	ND		1	5.0	1.7	ug/L	08/14/2014 2342
Chloroethane	ND		1	5.0	0.50	ug/L	08/14/2014 2342
Chloroform	ND		1	5.0	1.7	ug/L	08/14/2014 2342
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	08/14/2014 2342
Cyclohexane	ND		1	5.0	0.98	ug/L	08/14/2014 2342
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	08/14/2014 2342
Dibromochloromethane	ND		1	5.0	1.7	ug/L	08/14/2014 2342
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	08/14/2014 2342
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	08/14/2014 2342
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	08/14/2014 2342
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	08/14/2014 2342
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	08/14/2014 2342
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	08/14/2014 2342
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	08/14/2014 2342
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	08/14/2014 2342
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	08/14/2014 2342
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	08/14/2014 2342
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	08/14/2014 2342
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	08/14/2014 2342
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	08/14/2014 2342
Ethylbenzene	ND		1	5.0	1.7	ug/L	08/14/2014 2342
2-Hexanone	ND		1	10	1.0	ug/L	08/14/2014 2342
Isopropylbenzene	ND		1	5.0	1.0	ug/L	08/14/2014 2342
Methyl acetate	ND		1	5.0	0.72	ug/L	08/14/2014 2342
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	08/14/2014 2342
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	08/14/2014 2342
Methylcyclohexane	ND		1	5.0	0.95	ug/L	08/14/2014 2342
Methylene chloride	ND		1	5.0	1.7	ug/L	08/14/2014 2342
Styrene	ND		1	5.0	0.10	ug/L	08/14/2014 2342
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	08/14/2014 2342
Tetrachloroethene	ND		1	5.0	0.40	ug/L	08/14/2014 2342
Toluene	ND		1	5.0	1.7	ug/L	08/14/2014 2342
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	08/14/2014 2342
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	08/14/2014 2342
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	08/14/2014 2342
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	08/14/2014 2342

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ54055-001
Batch: 54055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	08/14/2014 2342
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	08/14/2014 2342
Vinyl chloride	ND		1	2.0	0.10	ug/L	08/14/2014 2342
Xylenes (total)	ND		1	5.0	1.7	ug/L	08/14/2014 2342

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ54055-002
Batch: 54055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	93		1	93	60-140	08/14/2014 2210
Benzene	50	47		1	94	70-130	08/14/2014 2210
Bromodichloromethane	50	48		1	96	70-130	08/14/2014 2210
Bromoform	50	48		1	97	70-130	08/14/2014 2210
Bromomethane (Methyl bromide)	50	41		1	82	60-140	08/14/2014 2210
2-Butanone (MEK)	100	97		1	97	60-140	08/14/2014 2210
Carbon disulfide	50	48		1	97	60-140	08/14/2014 2210
Carbon tetrachloride	50	48		1	96	70-130	08/14/2014 2210
Chlorobenzene	50	48		1	97	70-130	08/14/2014 2210
Chloroethane	50	46		1	92	42-163	08/14/2014 2210
Chloroform	50	47		1	94	70-130	08/14/2014 2210
Chloromethane (Methyl chloride)	50	44		1	89	60-140	08/14/2014 2210
Cyclohexane	50	50		1	100	70-130	08/14/2014 2210
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	95	70-130	08/14/2014 2210
Dibromochloromethane	50	49		1	98	70-130	08/14/2014 2210
1,2-Dibromoethane (EDB)	50	49		1	97	70-130	08/14/2014 2210
1,4-Dichlorobenzene	50	48		1	95	70-130	08/14/2014 2210
1,3-Dichlorobenzene	50	48		1	97	70-130	08/14/2014 2210
1,2-Dichlorobenzene	50	48		1	96	70-130	08/14/2014 2210
Dichlorodifluoromethane	50	47		1	94	60-140	08/14/2014 2210
1,1-Dichloroethane	50	46		1	91	70-130	08/14/2014 2210
1,2-Dichloroethane	50	46		1	93	70-130	08/14/2014 2210
trans-1,2-Dichloroethene	50	47		1	94	70-130	08/14/2014 2210
cis-1,2-Dichloroethene	50	46		1	92	70-130	08/14/2014 2210
1,1-Dichloroethene	50	47		1	94	70-130	08/14/2014 2210
1,2-Dichloropropane	50	47		1	94	70-130	08/14/2014 2210
trans-1,3-Dichloropropene	50	50		1	100	70-130	08/14/2014 2210
cis-1,3-Dichloropropene	50	50		1	99	70-130	08/14/2014 2210
Ethylbenzene	50	48		1	96	70-130	08/14/2014 2210
2-Hexanone	100	96		1	96	60-140	08/14/2014 2210
Isopropylbenzene	50	48		1	96	70-130	08/14/2014 2210
Methyl acetate	50	35		1	71	70-130	08/14/2014 2210
Methyl tertiary butyl ether (MTBE)	50	47		1	94	70-130	08/14/2014 2210
4-Methyl-2-pentanone	100	96		1	96	60-140	08/14/2014 2210
Methylcyclohexane	50	48		1	96	70-130	08/14/2014 2210
Methylene chloride	50	44		1	88	70-130	08/14/2014 2210
Styrene	50	50		1	99	70-130	08/14/2014 2210
1,1,2,2-Tetrachloroethane	50	48		1	96	70-130	08/14/2014 2210
Tetrachloroethene	50	48		1	95	70-130	08/14/2014 2210
Toluene	50	48		1	97	70-130	08/14/2014 2210
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	108	70-130	08/14/2014 2210
1,2,4-Trichlorobenzene	50	48		1	96	70-130	08/14/2014 2210
1,1,1-Trichloroethane	50	46		1	92	70-130	08/14/2014 2210
1,1,2-Trichloroethane	50	47		1	94	70-130	08/14/2014 2210

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ54055-002
Batch: 54055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	48		1	96	70-130	08/14/2014 2210
Trichlorofluoromethane	50	49		1	98	70-130	08/14/2014 2210
Vinyl chloride	50	45		1	89	70-130	08/14/2014 2210
Xylenes (total)	100	97		1	97	70-130	08/14/2014 2210

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ54055-003
Batch: 54055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	101	8.9	60-140	20	08/14/2014 2233
Benzene	50	46		1	93	1.7	70-130	20	08/14/2014 2233
Bromodichloromethane	50	48		1	96	0.30	70-130	20	08/14/2014 2233
Bromoform	50	49		1	98	1.5	70-130	20	08/14/2014 2233
Bromomethane (Methyl bromide)	50	42		1	85	3.3	60-140	20	08/14/2014 2233
2-Butanone (MEK)	100	100		1	102	4.3	60-140	20	08/14/2014 2233
Carbon disulfide	50	47		1	94	2.5	60-140	20	08/14/2014 2233
Carbon tetrachloride	50	47		1	94	1.6	70-130	20	08/14/2014 2233
Chlorobenzene	50	47		1	95	2.3	70-130	20	08/14/2014 2233
Chloroethane	50	45		1	90	1.9	42-163	20	08/14/2014 2233
Chloroform	50	46		1	92	2.3	70-130	20	08/14/2014 2233
Chloromethane (Methyl chloride)	50	43		1	86	3.3	60-140	20	08/14/2014 2233
Cyclohexane	50	48		1	96	4.7	70-130	20	08/14/2014 2233
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	95	0.11	70-130	20	08/14/2014 2233
Dibromochloromethane	50	49		1	98	0.39	70-130	20	08/14/2014 2233
1,2-Dibromoethane (EDB)	50	49		1	98	0.97	70-130	20	08/14/2014 2233
1,4-Dichlorobenzene	50	47		1	94	0.76	70-130	20	08/14/2014 2233
1,3-Dichlorobenzene	50	48		1	95	1.8	70-130	20	08/14/2014 2233
1,2-Dichlorobenzene	50	48		1	95	0.85	70-130	20	08/14/2014 2233
Dichlorodifluoromethane	50	47		1	93	0.96	60-140	20	08/14/2014 2233
1,1-Dichloroethane	50	46		1	91	0.053	70-130	20	08/14/2014 2233
1,2-Dichloroethane	50	47		1	94	0.87	70-130	20	08/14/2014 2233
trans-1,2-Dichloroethene	50	47		1	93	1.2	70-130	20	08/14/2014 2233
cis-1,2-Dichloroethene	50	47		1	93	0.88	70-130	20	08/14/2014 2233
1,1-Dichloroethene	50	47		1	94	0.56	70-130	20	08/14/2014 2233
1,2-Dichloropropane	50	47		1	94	0.18	70-130	20	08/14/2014 2233
trans-1,3-Dichloropropene	50	50		1	99	0.96	70-130	20	08/14/2014 2233
cis-1,3-Dichloropropene	50	50		1	99	0.17	70-130	20	08/14/2014 2233
Ethylbenzene	50	48		1	95	0.69	70-130	20	08/14/2014 2233
2-Hexanone	100	98		1	98	2.7	60-140	20	08/14/2014 2233
Isopropylbenzene	50	47		1	94	1.6	70-130	20	08/14/2014 2233
Methyl acetate	50	37		1	74	5.2	70-130	20	08/14/2014 2233
Methyl tertiary butyl ether (MTBE)	50	46		1	93	1.6	70-130	20	08/14/2014 2233
4-Methyl-2-pentanone	100	98		1	98	2.4	60-140	20	08/14/2014 2233
Methylcyclohexane	50	48		1	95	0.91	70-130	20	08/14/2014 2233
Methylene chloride	50	44		1	88	0.039	70-130	20	08/14/2014 2233
Styrene	50	49		1	97	1.9	70-130	20	08/14/2014 2233
1,1,2,2-Tetrachloroethane	50	48		1	96	0.26	70-130	20	08/14/2014 2233
Tetrachloroethene	50	47		1	94	1.1	70-130	20	08/14/2014 2233
Toluene	50	48		1	96	0.96	70-130	20	08/14/2014 2233
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	107	0.17	70-130	20	08/14/2014 2233
1,2,4-Trichlorobenzene	50	48		1	96	0.37	70-130	20	08/14/2014 2233
1,1,1-Trichloroethane	50	45		1	91	1.3	70-130	20	08/14/2014 2233
1,1,2-Trichloroethane	50	47		1	93	1.0	70-130	20	08/14/2014 2233

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ54055-003
Batch: 54055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	48		1	96	0.80	70-130	20	08/14/2014 2233
Trichlorofluoromethane	50	49		1	98	0.41	70-130	20	08/14/2014 2233
Vinyl chloride	50	44		1	89	0.63	70-130	20	08/14/2014 2233
Xylenes (total)	100	96		1	96	0.90	70-130	20	08/14/2014 2233

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 35563

Client: TRC Env. Company	Report to Contact: Lisa Clark	Sampler (Printed Name): Brandon Klim	Quote No.
Address: 30 Patewood Dr. St. 300	Telephone No. / Fax No. / Email: 864-281-0030	Waybill No.	Page: 1 of 1
City: Greenville / State: SC / Zip Code: 29615	Project Name: WPH-GW Sampling	Project Number: 208464.0.0 Phs 2	P.O Number

Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis	Number of Containers	Bottle (See Instructions on back)	Preservative
										2	1	3	1
										A	A	A	A
										1	5	1	5
										VOCs	VOCs	VOCs	VOCs
TBLK 14310										X	X		
RMW-23	8-12-14	1130	X	X								X	X

PH13103

Turn Around Time Required (Prior lab approval required for expedited TAT): [X] Standard [ ] Rush (Please Specify)

Sample Disposal: [ ] Return to Client [X] Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: [ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison [X] Unknown

1. Relinquished by / Sampler: Brandon M. Klim	Date: 8-13-14	Time: 12:30	1. Received by: TRC Sample Storage	Date: 8/13/14	Time: 1250
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date: 8/13/14	Time: 1640	4. Laboratory Received by	Date: 8/13/14	Time: 1640

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check): [X] Yes [ ] No [ ] Ice Pack — Receipt Temp. 3.0 °C — Temp. Blank [ ] Y [X] N

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Shealy Environmental Services, Inc
Document Number: F-AD-016
Revision Number: 15

Replaces Date: 03/07/14
Effective Date: 07/15/14

Sample Receipt Checklist (SRC)

Client: TRC Cooler Inspected by/date: mcm / 02/13/14 Lot #: PH1303

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 12.9/3.4 °C ___/___/___°C ___/___/___°C ___/___/___°C Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: 0.5 °C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/TIEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR #_____.			
Sample(s)_____ were received with bubbles >6 mm in diameter.			
Sample(s)_____ were received with TRC >0.2 mg/L. (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____ Sample(s)_____ were not received at a pH of <2 and were adjusted accordingly using SR# _____			
Sample labels applied by: mcm Verified by: mcm Date: 2/13/14			

Comments: