S2C2 inc.

Streamlined Site Characterization & Closure

June 30, 2014

Mr. Gregory B. MacLean, P.E.
Environmental Engineer II
New York State Department of Environmental Conservation
Division of Environmental Remediation - Region 8
6274 East Avon-Lima Road
Avon, New York 14414

RE: Supplemental Remedial Investigation Activities at Carlson Park in Rochester, NY. (NYSDEC VCP Number V00514-8)

Dear Greg:

This letter addendum is intended to provide a description of initial supplemental Remedial Investigation (RI) activities that 100 Carlson Road, LLC proposes to conduct during the summer of 2014 as part of ongoing RI activities being implemented at the Carlson Park Site (Site). The proposed supplemental RI activities addressed herein have been discussed with you during recent telephone conversations. These activities represent an expansion of the Scope of Work outlined in the Supplemental Work Plan for Initial Bedrock Evaluation Activities dated February 28, 2010 (Supplemental Work Plan), and other supplemental Work Plan Addendum letters dated September 2010, August 2011, November 2011, June 2012, and June 2013. The Supplemental Work Plan, and subsequent addendum letters, are all addenda to the original Voluntary Cleanup Program Remedial Investigation Work Plan for Carlson Park, dated October 2004 (RI Work Plan). Accordingly, we request that this letter be considered an additional attachment to the Supplemental Work Plan.

The remainder of this letter provides an explanation of the rational for, and description of, the additional on-site RI activities currently being proposed. It is hoped that information obtained from these activities will be used to help better define the source of trichloroethene (TCE) impacts previously observed to be present in shallow bedrock groundwater in the vicinity of BR-12 situated in the northwest portion of the Site. (See Figure 1)

Rational for Proposed Supplemental RI Activities:

Information obtained during the completion of Supplemental RI activities in July 2012 indicated the presence of TCE in shallow bedrock groundwater at location BR-12. Such information was obtained during the completion of packer-testing activities conducted within a bedrock corehole drilled to a depth of about 20 feet below ground (about 14 feet into bedrock) at that location. At this location a 6-inch diameter steel casing was set from the ground surface to a depth of 8.7 feet below ground (i.e., approximately 2.8 feet below the top of bedrock).

Screening level groundwater quality data obtained during the July 2012 packer-testing event indicated an increase in dissolved TCE concentrations as pumping from the bedrock within the 14 to 19 foot depth interval progressed. The dissolved TCE concentration initially measured after limited pumping from this interval was 1,400 ug/L. With continued pumping, the concentration rose to 57,000 ug/L. In addition to dissolved TCE, acetone was also found to be present at a concentration of 23,000 ug/L, along with a variety of other volatile organic compounds (VOCs) at lower concentrations. A groundwater grab sample collected from the open BR-12 bedrock corehole (i.e., not isolated with packers) the morning after the packer-testing was completed indicated a dissolved TCE concentration of 670,000 ug/L. A single small droplet of Non-Aqueous Phase Liquid (DNAPL) was also observed in the limited volume of purged groundwater recovered from the open BR-12 corehole at that time.

A shallow bedrock groundwater monitoring well (MWBR-12A) was subsequently installed at this location, with a screened interval of 15-20 feet below grade (approximately 9 to 14 feet below the bedrock surface). Analytical results from a groundwater sample collected from that well in September 2012 indicated a dissolved TCE concentration of 31 ug/L (ppb). This concentration is more than three orders of magnitude lower than the concentration measured in the groundwater sample previously collected from the open core hole using the packer-test equipment.

Based upon the pattern of increasing dissolved TCE concentration with increased pumping at BR-12 during packer-testing activities, coupled with the low dissolved TCE concentration subsequently measured in the permanent groundwater monitoring well installed at this location, it was initially speculated that the actual source of such TCE was not at BR-12. Instead, it was presumed that a TCE source area was more likely to be situated somewhere close by and that the associated dissolved TCE plume was pulled towards BR-12 as the corehole was pumped. Accordingly, an additional Supplemental RI program was completed in July 2013 to assess shallow bedrock groundwater quality conditions in the vicinity of BR-12 and to help identify the source of TCE previously identified to be present in that area.

Depth-discrete shallow bedrock groundwater sampling using packer testing equipment was conducted at a total of 15 additional locations during the summer of 2013. Of the 15 additional shallow bedrock locations evaluated, a total of three (3) locations indicated the presence of dissolved TCE at concentrations greater than 3,000 ug/L These three locations were BR-12I, BR-12II, and BR-12III. The highest measured dissolved TCE concentrations at each of these three locations ranged from 4,600 to 11,000 ug/L. [See Figure 1 and the attached Table for a complete summary of all analytical results]. As was the initial case at BR-12, the highest dissolved TCE concentrations were not found at the bedrock surface, but rather at a depth of about 8 to 12 feet into bedrock. Unlike the packer-testing done at BR-12, much more limited pumping was done during these packer-testing activities in an attempt to minimize the potential effect of drawing in groundwater from greater distances.

Each of the three shallow bedrock evaluation locations where the highest dissolved TCE concentrations were measured is situated adjacent to Humboldt Street. In addition, an attempt was made to evaluate shallow bedrock groundwater quality conditions proximal to

subsurface utility lines located between facility building 6 and the northwest portions of facility buildings 4, 5, and 8, and the BR-12 area. Other than confirming a localized area of TCE impact near location BR-12 X, the data did not show a concentration pattern that would indicate a clear relationship or link between the TCE observations made near Humboldt Street in the vicinity of BR-12 and the facility.

The primary purpose for conducting the currently proposed supplemental RI activities is an additional attempt to help identify the source of TCE impacts previously identified in shallow bedrock groundwater in the vicinity of BR-12, and to help determine whether or not such source of TCE impacts is related to former on-site facility activities, or possibly due to unrelated off-site shallow bedrock groundwater quality conditions underlying Humboldt Street. Information obtained from a subsurface utility survey and associated elevation survey conducted in the summer of 2013, has indicated that the subsurface utility lines originating from the northwest portion of the facility and those underlying Humboldt Street, in the general vicinity of location BR-12, are positioned such that the bottom of the utility lines (inverts) are positioned below the top of bedrock. This suggests that the surface of the bedrock may have been locally excavated/trenched to allow for the installation of the utility lines. Closer to the facility the elevation of these subsurface utility lines is higher and the depth to bedrock is greater, resulting in these lines being situated within overburden.

The emphasis of the subject field evaluation task will be an attempt to assess environmental quality conditions within potential bedding material and/or soil/fill adjacent to and/or below subsurface utility lines that likely occupy locally excavated trenches within shallow bedrock in the vicinity of BR-12, and to try to determine if any impacts found in such zones may be related to the impacts previously identified in shallow bedrock groundwater in the BR-12 area. Based upon information to be obtained from initial evaluation locations along Humboldt Street, an attempt will be made to evaluate potential impacts along selected subsurface utility lines in an “upstream” direction towards the facility. Evaluation activities may shift from bedrock trenches to overburden once the subsurface lines are found to be above bedrock.

In addition to subsurface utility evaluation activities, an attempt will be made to conduct limited overburden groundwater evaluation activities in the vicinity, and downgradient, of location BR-12X. Previous attempts to conduct similar activities in this general area could not be accomplished in the past due to low water table elevations at that time. It is believed that such evaluation may be possible at this time.

Description of Proposed Supplemental RI Activities:

As described above, a significant amount of characterization work has previously been conducted to assess both overburden and shallow bedrock groundwater quality in the general vicinity of BR-12. It is known that the bedrock surface is generally situated at a depth of approximately five to six feet below grade along the northern property boundary in this area, and gradually deepens towards the south as the ground surface elevation increases in this

direction. Based upon observations made during overburden groundwater grab sampling and shallow bedrock evaluation activities previously conducted in this area, the overburden above this bedrock appears to be unsaturated close to the northern property boundary, and begins to become saturated towards the south. Overburden groundwater grab sampling previously conducted between Humboldt Street and Building 6 have indicated very low dissolved TCE concentrations, while more elevated dissolved TCE concentrations have been measured in underlying shallow bedrock adjacent to Humboldt Street.

Based upon information obtained from a subsurface utility survey conducted during the summer of 2013, it is estimated that subsurface sanitary sewer and storm drain lines (and possibly water lines) situated close to Humboldt Street are set approximately two to four feet into bedrock. It is anticipated that the bedrock surface was excavated to form trenches within which these lines could be installed in order for them to be tied into the main lines situated beneath Humboldt Street.

In order to evaluate potential bedding and/or other material which may be present within suspected bedrock trenches dug into shallow bedrock near Humboldt Street, and to verify the precise locations and depths of anticipated subsurface utility lines in that area, it is proposed that test borings be excavated using "soft dig" equipment. Such equipment basically consists of an "air knife" to break-up and loosen subsurface material, followed by a vacuum to remove the loosened material. It is anticipated that such activities will be initiated at several on-site locations situated along Humboldt Street in the vicinity of BR-12 (well MWBR-12A). The approximate locations of all currently proposed on-site supplemental RI activities are presented on Figure 2.

The intention of this task is to initially conduct these evaluation activities directly over the subsurface storm drain lines believed to be present in the vicinity of BR-12. As stated above, the bedrock surface is anticipated to be present at depths typically ranging between five and six feet below grade in this portion of the Site, and that the utility lines are situated within the bedrock. Accordingly, at these initial locations it is anticipated that limited hollow-stem auger drilling will be used to advance the boreholes to a depth of about five feet below grade prior to the initiation of soft dig activities. Soft Dig equipment will then be used to locate the top of the subsurface utility line at that location. If the initial pilot holes do not stay open, a temporary conductor casing may be inserted into the borehole to assist with soft dig activities. An attempt will then be made to advance the soft dig along the side of the utility line and into the suspected bedrock trench in which these lines are anticipated to be situated. If the soft dig equipment can be advanced in this manner, an attempt will then be made to collect bedding material from within the bedrock trenches with the use of the vacuum component of the soft dig process.

Accurate depth measurements will be made of all subsurface utility lines identified, the depth of any samples collected, and any changes in lithology. Soil cuttings from the hollow-stem augering and all soil/bedding material obtained during the soft dig process will be visually inspected for soil type and any indication of environmental impact, and scanned with the use an Organic Vapor Meter (OVM). Due to the fact that the primary objective of this program

is to help identify potential TCE source zones, if elevated OVM readings (i.e., greater than about 50 ppm) are observed, such materials will be segregated above ground and a sample of such material will be submitted to undergo VOC analysis. As previously stated, environmental quality conditions of the overburden within this evaluation area have been significantly characterized during previous RI activities. Consequently, the presence of NAPL or other significant impacts are not expected to be present within the overburden above the subsurface utilities in this area.

In the event that soil/bedding material can not readily be collected from beneath the underground utility lines, an attempt may be made to collect shallow groundwater in lieu of, or in addition to, such material. Although it is anticipated that overburden soils along Humboldt Street will be unsaturated, it is possible that water may be present in the shallow bedrock trenches underlying the overburden in this area. If water is collected, it will be screened for the presence of VOCs.

Once the initial soft dig excavation locations have been evaluated, subsequent evaluation locations will be selected in the field and partially based upon observations made during the initial activities. It is anticipated that an attempt will be made to trace back towards the facility along selected underground utility lines leading back towards Building 6. Hollow-stem augering will not be conducted at locations where the type and depth of subsurface utilities is not well defined. In such situations, only soft dig activities will be used to verify the presence and depth of subsurface utility lines. Additionally, if such trace back leads to locations where the underground utility lines are situated above bedrock, soft dig will be utilized to locate the depth of the lines and direct-push sampling will be conducted to collect soil adjacent to, and deeper than, the lines. Due to the fact that the actual final scope of work will be determined in the field, an element of the work scope associated with the subject RI activities will be dynamic in nature.

In addition to the planned supplemental RI activities to be conducted at subsurface utility lines, limited overburden groundwater quality evaluation will be conducted downgradient of location BR-12 X (see Figure 2). Limited historic groundwater grab sampling conducted in a small portion of the courtyard area between Buildings 8 and 6 indicated dissolved TCE in overburden groundwater collected at the bedrock/overburden interface at concentrations as high as approximately 1 mg/L (ppm). Subsequent groundwater quality screening data obtained near this location (i.e., BR-12 X) in the summer of 2013 indicated dissolved TCE concentrations in overburden groundwater at the overburden/bedrock interface (about 7 feet below grade) to be 640 ug/L. Groundwater quality screening data obtained from shallow bedrock at this location (i.e., about 7.5-8 feet below grade) indicated a dissolved TCE concentration of 2,900 ug/L or 2.9 ppm. The subsurface utility lines in this area are believed to be situated within the overburden.

It is anticipated that any overburden groundwater which may be present at these locations will be present at or near the overburden/bedrock interface, and will be very limited with respect to saturated thickness. Accordingly, it is likely that a maximum of a single depth-discrete groundwater grab sample will be collected at each location. This overburden

groundwater sampling event is intended to better define where the overburden groundwater impacts observed at location BR-12X may be extending. Information obtained from initial sampling locations will be used to select the number and location of subsequent sampling locations. All such groundwater grab sampling will be conducted with the use of direct-push equipment and will be conducted using methods and procedures similar to those previously approved and used as part of the original RI Work Plan and/or the Supplemental Work Plan and addenda.

All soil, bedding material, and/or groundwater samples collected to undergo VOC analysis as part of this program will either be analyzed/screened for VOCs using rapid turnaround at a fixed-base laboratory or within an on-site mobile laboratory in accordance with USEPA SW-846 Method 8260B-modified.

All downhole equipment will be decontaminated between locations. Once subsurface evaluation activities have been completed at each location, the boreholes will be abandoned by returning soil cuttings from that location into the shallow boreholes and then filling any remaining annular space with bentonite. Any boreholes advanced through asphalt will be patched with asphalt. In the event that highly impacted zones are encountered, any such cuttings will be containerized and the borehole abandoned as stated above or via tremie-grouting.

In addition, as part of this field event, an attempt will be made to install a single permanent shallow overburden groundwater monitoring well in the vicinity of BR-12X. This well will be installed with the use of the direct-push unit while that unit is on-site to complete the other tasks associated with this event. An attempt will be made to set the bottom of a 3-foot long well screen at the overburden/bedrock interface (a depth anticipated to be about 7 to 8 feet below grade). This well will be developed after installation. The locations and elevations of all temporary borings and/or groundwater monitoring wells will subsequently be surveyed.

Schedule

Pending approval for this Supplemental RI Work Plan Addendum letter, it is currently anticipated that the subject supplemental RI field event will be initiated sometime during the week of July 7 or July 14, 2014.

Shortly following the completion of these supplemental RI activities, it is anticipated that another Supplemental RI Work Plan Addendum letter will be submitted to address additional activities to be conducted during the summer and/or early Fall of 2014. Those activities are anticipated to include the installation of one or more permanent bedrock groundwater monitoring wells at a location(s) to be determined and agreed upon with the Agencies. Such well installation will be preceded by bedrock coring and packer-testing as has previously been done at each bedrock groundwater monitoring well location at the Site. Depending upon the number of permanent wells which may be installed, and the depths to which such wells may be advanced, a decision will be made as to whether or not downhole geophysical

logging will also be conducted. Following the installation of the additional bedrock groundwater monitoring wells, a complete round of groundwater sampling will be conducted on the entire groundwater monitoring well network in place at the Site. That activity will then be followed by a variety of hydraulic monitoring and testing activities to be conducted at a variety of on-site locations. The actual scope and schedule for these additional field events will be addressed in the subsequent Supplemental RI Work Plan Addendum letter(s).

As mentioned above, supplemental RI activities proposed in this Work Plan addendum will be completed in a similar manner as previously conducted as part of the ongoing RI activities being completed at the Site, and will be consistent with the methodologies presented in prior Work Plans and/or addendums as previously approved by NYSDEC for this Site. Please feel free to contact me at (908) 625-3192 if you have any questions or comments concerning this matter, or if you require any additional information.

Sincerely,
S2C2 Inc.

Steven B. Gelb
Project Manager

CC: Jim Goff

W:\Projects\Rochester\ArcMap\BedrockEvaluation2013\ShallowBedrockEvaluationBR-12Area.mxd

BR12-VII
BR12-IV
BR12-II
BR12-VIII
BR12-XIV
MWBR-12 A
BR12-XV
BR12-I
BR12-IX
BR12-XIII
BR12-III
BR12-V
MW-06
BR12-XII
BR12-X
BR12-VI
BR12-XI
MWBR-08 A
MWBR-13 A

Humboldt Street

Building 5
Building 6
Building 8

0 15 30 60 90 120
Feet

Legend

Locations
- Temp. Shallow Bedrock DNAPL Eval. Location
- Bedrock Monitoring Well - A
- Monitoring Well - OB

Utilities
- Cable
- Electrical
- Gas
- Sanitary
- Storm
- Telephone
- Water
- UtilityTunnel

Features
- Roads
- Railroad
- ConcretePads
- Buildings
- Property Boundary

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CARLSON PARK FACILITY
CARLSON ROAD
ROCHESTER, NEW YORK

SHALLOW BEDROCK
EVALUATION LOCATIONS
SUMMER 2013

TITLE

FIGURE 1

SCALE 1:600

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Bedrock Groundwater VOCs
Packer-Testing - BR-12 Area
Carlson Park
July 2013

Sample ID	Drilling Water	MWBR-12A (15)	MWBR-12A (17.5)	MWBR-12A (20)	BR-12 I (7-8)	BR-12 I (10.5-11)	BR-12 I (16.5-17.5) DF
Lab ID	SHOP	X1318914-1	X1318915-1	X1318916-1	X1318902-1	X1318901-1	X1318909-50
Analyzed Date	7/17/13	7/9/13	7/9/13	7/9/13	7/8/13	7/8/13	7/9/13
Data File	CJUL160.D	CJUL091.D	CJUL092.D	CJUL093.D	CJUL071.D	CJUL070.D	CJUL083.D
Matrix	WATER	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Drilling Fluid
Dilution Factor	1	1	1	1	1	1	50
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds							
Dichlorodifluoromethane	1 U	2.5	2.5	2.4	1 U	1 U	50 U
Chloromethane	2 U	2 U	2 U	2 U	2 U	2 U	100 U
Vinyl Chloride	1 U	1 U	1 U	1 U	2.6	2.6	50 U
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Trichlorofluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Diethyl Ether	1 U	1 U	1 U	1 U	1 U	1 U	50 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Carbon Disulfide	2 U	2 U	2 U	2 U	2 U	2 U	100 U
1,1,2-Trichlorotrifluoroethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Acrolein	4 U	4 U	4 U	4 U	4 U	4 U	200 U
Methylene Chloride	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	2,500 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1.0 J	1	50 U
Methyl Acetate	3 U	3 U	3 U	3 U	3 U	3 U	150 U
Methyl-tert-butyl Ether	1 U	1 U	1 U	1 U	1 U	1 U	50 U
tert-Butyl Alcohol	10 U	10 U	10 U	10 U	10 U	10 U	500 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 J	50 U
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	100 U
Vinyl acetate	1 U	1 U	1 U	1 U	1 U	1 U	50 U
cis-1,2-Dichloroethene	1 U	4	3.5	3.4	18	22	50 U
Cyclohexane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Chloroform	20	1 U	1 U	1 U	1.8	2.1	50 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	50 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	250 U
Benzene	1 U	1 U	1 U	1 U	1.2 B	1 U	50 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Methylcyclohexane	3 U	3 U	3 U	3 U	3 U	3 U	150 U
Trichloroethene	1 U	73	37	38	4.2	3.7	7,200
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Bromodichloromethane	10	1 U	1 U	1 U	1 J	1.2	50 U
1,4-Dioxane	100 U	100 U	100 U	100 U	100 U	100 U	5,000 U
2-Chloroethyl Vinyl Ether	1 U	1 U	1 U	1 U	1 U	1 U	50 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Toluene	2 U	2 U	2 U	2 U	4.6 B	2 U	100 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U	5 U	250 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Dibromochloromethane	4.6	1 U	1 U	1 U	1 J	1 J	50 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U	250 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
m&p-Xylenes	1 U	1 U	1 U	1 U	1 U	1 U	50 U
o-Xylene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
Isopropylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U	1 U	50 U
1,2-4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	50 U
1,2,3-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	50 U

B: Analyte detected in method blank;
E: Estimated value above high calibration standard;
J: Estimated value below referenced reporting limit (RL);
U: Analyte not detected above RL.

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Bedrock Groundwater VOCs
Packer-Testing - BR-12 Area
Carlson Park
July 2013

Sample ID	BR-12 I (13-18)	BR-12 II (6-11)	BR-12 II (12-16)	BR-12 II (12-16)	BR-12 II (15.5-16)	BR-12 II (15.5-16)	BR-12 II (17-17.5)
Lab ID	X1318910-50	X1318903-1	X1318904-5	X1318904-10	X1318905-10	X1318905-20	X1318906-50
Analyzed Date	7/9/13	7/8/13	7/8/13	7/8/13	7/8/13	7/8/13	7/8/13
Data File	CJUL084.D	CJUL072.D	CJUL073.D	CJUL076.D	CJUL074.D	CJUL078.D	CJUL075.D
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Dilution Factor	50	1	5	10	10	20	50
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds							
Dichlorodifluoromethane	50 U	1 U	5 U		10 U		50 U
Chloromethane	100 U	2 U	10 U		20 U		100 U
Vinyl Chloride	50 U	2.8	5 U		10 U		50 U
Bromomethane	50 U	1 U	5 U		10 U		50 U
Chloroethane	50 U	1 U	5 U		10 U		50 U
Trichlorofluoromethane	50 U	1 U	5 U		10 U		50 U
Diethyl Ether	50 U	1 U	5 U		10 U		50 U
1,1-Dichloroethene	50 U	1 U	5 U		10 U		50 U
Carbon Disulfide	100 U	2 U	10 U		20 U		100 U
1,1,2-Trichlorotrifluoroethane	50 U	1 U	5 U		10 U		50 U
Acrolein	200 U	4 U	20 U		40 U		200 U
Methylene Chloride	50 U	1 U	5 U		10 U		50 U
Acetone	2,500 U	50 U	250 U		500 U		2,500 U
trans-1,2-Dichloroethene	50 U	1 J	5 U		10 U		50 U
Methyl Acetate	150 U	3 U	15 U		30 U		150 U
Methyl-tert-butyl Ether	50 U	1 U	5 U		10 U		50 U
tert-Butyl Alcohol	500 U	10 U	50 U		100 U		500 U
1,1-Dichloroethane	50 U	1 U	5 U		10 U		50 U
Acrylonitrile	100 U	2 U	10 U		20 U		100 U
Vinyl acetate	50 U	1 U	5 U		10 U		50 U
cis-1,2-Dichloroethene	30 J	23	25		29		28 J
Cyclohexane	50 U	1 U	5 U		10 U		50 U
Bromochloromethane	50 U	1 U	5 U		10 U		50 U
Chloroform	50 U	2.1	5 U		10 U		50 U
Carbon Tetrachloride	50 U	1 U	5 U		10 U		50 U
1,1,1-Trichloroethane	50 U	1 U	5 U		10 U		50 U
2-Butanone	250 U	5 U	25 U		50 U		250 U
Benzene	30 J	1 U	5 U		10 U		50 U
1,2-Dichloroethane	50 U	1 U	5 U		10 U		50 U
Methylcyclohexane	150 U	3 U	15 U		30 U		150 U
Trichloroethene	2,400	3.5	1,900 E	1,900	2,900 E	3,400	5,400
1,2-Dichloropropane	50 U	1 U	5 U		10 U		50 U
Bromodichloromethane	50 U	1.4	5 U		10 U		50 U
1,4-Dioxane	5,000 U	100 U	500 U		1,000 U		5,000 U
2-Chloroethyl Vinyl Ether	50 U	1 U	5 U		10 U		50 U
cis-1,3-Dichloropropene	50 U	1 U	5 U		10 U		50 U
Toluene	100 U	2 U	10 U		37 B		100 U
Tetrachloroethene	50 U	1 U	5 U		10 U		50 U
4-Methyl-2-pentanone	250 U	5 U	25 U		50 U		250 U
trans-1,3-Dichloropropene	50 U	1 U	5 U		10 U		50 U
1,1,2-Trichloroethane	50 U	1 U	5 U		10 U		50 U
Dibromochloromethane	50 U	1 J	5 U		10 U		50 U
1,2-Dibromoethane	50 U	1 U	5 U		10 U		50 U
2-Hexanone	250 U	5 U	25 U		50 U		250 U
Chlorobenzene	50 U	1 U	5 U		10 U		50 U
Ethylbenzene	50 U	1 U	5 U		10 U		50 U
m&p-Xylenes	50 U	1 U	5 U		10 U		50 U
o-Xylene	50 U	1 U	5 U		10 U		50 U
Bromoform	50 U	1 U	5 U		10 U		50 U
Styrene	50 U	1 U	5 U		10 U		50 U
Isopropylbenzene	50 U	1 U	5 U		10 U		50 U
1,1,2,2-Tetrachloroethane	50 U	1 U	5 U		10 U		50 U
1,3-Dichlorobenzene	50 U	1 U	5 U		10 U		50 U
1,4-Dichlorobenzene	50 U	1 U	5 U		10 U		50 U
1,2-Dichlorobenzene	50 U	1 U	5 U		10 U		50 U
1,2-Dibromo-3-chloropropane	50 U	1 U	5 U		10 U		50 U
1,2-4-Trichlorobenzene	50 U	1 U	5 U		10 U		50 U
1,2,3-Trichlorobenzene	50 U	1 U	5 U		10 U		50 U

B: Analyte detected in method blank;
E: Estimated value above high calibration standard;
J: Estimated value below referenced reporting limit (RL);
U: Analyte not detected above RL.

S2C2 inc.

Bedrock Groundwater VOCs
Packer-Testing - BR-12 Area
Carlson Park
July 2013

Sample ID	BR-12 II (17-18)	BR-12 II (17-18)	BR-12 II (16-20)	BR-12 II (16-20)	BR-12 III (10.5-11)	BR-12 III (12.5-17.5)	BR-12 III (12.5-17.5)
Lab ID	X1318908-50	X1318908-100	X1318907-10	X1318907-50	X1318911-1	X1318912-5	X1318912-50
Analyzed Date	7/9/13	7/9/13	7/8/13	7/8/13	7/9/13	7/9/13	7/9/13
Data File	CJUL082.D	CJUL086.D	CJUL077.D	CJUL085.D	CJUL087.D	CJUL088.D	CJUL089.D
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Dilution Factor	50	100	10	50	1	5	50
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds							
Dichlorodifluoromethane	50 U		10 U		1 U	5 U	
Chloromethane	100 U		20 U		2 U	10 U	
Vinyl Chloride	50 U		10 U		1 J	5 U	
Bromomethane	50 U		10 U		1 U	5 U	
Chloroethane	50 U		10 U		1 U	5 U	
Trichlorofluoromethane	50 U		10 U		1 U	5 U	
Diethyl Ether	50 U		10 U		1 U	5 U	
1,1-Dichloroethene	50 U		10 U		1 U	5 U	
Carbon Disulfide	100 U		20 U		2 U	10 U	
1,1,2-Trichlorotrifluoroethane	50 U		10 U		1 U	5 U	
Acrolein	200 U		40 U		4 U	20 U	
Methylene Chloride	50 U		10 U		1 U	5 U	
Acetone	2,500 U		500 U		50 U	250 U	
trans-1,2-Dichloroethene	50 U		10 U		1 J	5 U	
Methyl Acetate	150 U		30 U		3 U	15 U	
Methyl-tert-butyl Ether	50 U		10 U		1 U	5 U	
tert-Butyl Alcohol	500 U		100 U		10 U	50 U	
1,1-Dichloroethane	50 U		10 U		1 U	5 U	
Acrylonitrile	100 U		20 U		2 U	10 U	
Vinyl acetate	50 U		10 U		1 U	5 U	
cis-1,2-Dichloroethene	29 J		32		9.3	59	
Cyclohexane	50 U		10 U		1 U	5 U	
Bromochloromethane	50 U		10 U		1 U	5 U	
Chloroform	50 U		10 U		4.5	2.8 J	
Carbon Tetrachloride	50 U		10 U		1 U	5 U	
1,1,1-Trichloroethane	50 U		10 U		1 U	5 U	
2-Butanone	250 U		50 U		5 U	25 U	
Benzene	50 U		10 U		1 U	5 U	
1,2-Dichloroethane	50 U		10 U		1 U	5 U	
Methylcyclohexane	150 U		30 U		3 U	15 U	
Trichloroethene	13,000 E	11,000	5,600 E	6,500	38	3,500 E	4,600
1,2-Dichloropropane	50 U		10 U		1 U	5 U	
Bromodichloromethane	50 U		10 U		3.6	5 U	
1,4-Dioxane	5,000 U		1,000 U		100 U	500 U	
2-Chloroethyl Vinyl Ether	50 U		10 U		1 U	5 U	
cis-1,3-Dichloropropene	50 U		10 U		1 U	5 U	
Toluene	100 U		20 U		2 U	10 U	
Tetrachloroethene	50 U		10 U		1 U	5 U	
4-Methyl-2-pentanone	250 U		50 U		5 U	25 U	
trans-1,3-Dichloropropene	50 U		10 U		1 U	5 U	
1,1,2-Trichloroethane	50 U		10 U		1 U	5 U	
Dibromochloromethane	50 U		10 U		2.2	5 U	
1,2-Dibromoethane	50 U		10 U		1 U	5 U	
2-Hexanone	250 U		50 U		5 U	25 U	
Chlorobenzene	50 U		10 U		1 U	5 U	
Ethylbenzene	50 U		10 U		1 U	5 U	
m&p-Xylenes	50 U		10 U		1 U	5 U	
o-Xylene	50 U		10 U		1 U	5 U	
Bromoform	50 U		10 U		1 U	5 U	
Styrene	50 U		10 U		1 U	5 U	
Isopropylbenzene	50 U		10 U		1 U	5 U	
1,1,2,2-Tetrachloroethane	50 U		10 U		1 U	5 U	
1,3-Dichlorobenzene	50 U		10 U		1 U	5 U	
1,4-Dichlorobenzene	50 U		10 U		1 U	5 U	
1,2-Dichlorobenzene	50 U		10 U		1 U	5 U	
1,2-Dibromo-3-chloropropane	50 U		10 U		1 U	5 U	
1,2-4-Trichlorobenzene	50 U		10 U		1 U	5 U	
1,2,3-Trichlorobenzene	50 U		10 U		1 U	5 U	

B: Analyte detected in method blank;
E: Estimated value above high calibration standard;
J: Estimated value below referenced reporting limit (RL);
U: Analyte not detected above RL.

S2C2 inc.

Bedrock Groundwater VOCs
Packer-Testing - BR-12 Area
Carlson Park
July 2013

Sample ID	BR-12 IV (9.5-10)	BR-12 IV (12.5-17.5)	BR-12 IV (10.5-17.5)	BR-12 IV (17.5-20)	BR-12 V (7-10)	BR-12 V (18-19) grab
Lab ID	X1318919-1	DRY	DRY	DRY	X1318913-1	X1318917-10
Analyzed Date	7/10/13	7/10/13	7/10/13	7/10/13	7/9/13	7/10/13
Data File	CJUL100.D	DRY	DRY	DRY	CJUL090.D	CJUL098.D
Matrix	Groundwater	Dry	Dry	Dry	Groundwater	Groundwater
Dilution Factor	1	NA	NA	NA	1	10
Units	ug/L	NA	NA	NA	ug/L	ug/L
Volatile Organic Compounds						
Dichlorodifluoromethane	1 U	NA	NA	NA	1 U	10 U
Chloromethane	2 U	NA	NA	NA	2 U	20 U
Vinyl Chloride	1 U	NA	NA	NA	4.6	10 U
Bromomethane	1 U	NA	NA	NA	1 U	10 U
Chloroethane	1 U	NA	NA	NA	1 U	10 U
Trichlorofluoromethane	1 U	NA	NA	NA	1 U	10 U
Diethyl Ether	1 U	NA	NA	NA	1 U	10 U
1,1-Dichloroethene	1 U	NA	NA	NA	1 U	10 U
Carbon Disulfide	2 U	NA	NA	NA	2 U	20 U
1,1,2-Trichlorotrifluoroethane	1 U	NA	NA	NA	1 U	10 U
Acrolein	4 U	NA	NA	NA	4 U	40 U
Methylene Chloride	1 U	NA	NA	NA	1 U	10 U
Acetone	50 U	NA	NA	NA	50 U	500 U
trans-1,2-Dichloroethene	1 U	NA	NA	NA	3.0	10 U
Methyl Acetate	3 U	NA	NA	NA	3 U	30 U
Methyl-tert-butyl Ether	1 U	NA	NA	NA	1 U	10 U
tert-Butyl Alcohol	10 U	NA	NA	NA	10 U	100 U
1,1-Dichloroethane	1 U	NA	NA	NA	1 U	10 U
Acrylonitrile	2 U	NA	NA	NA	2 U	20 U
Vinyl acetate	1 U	NA	NA	NA	1 U	10 U
cis-1,2-Dichloroethene	1.3	NA	NA	NA	38	51
Cyclohexane	1 U	NA	NA	NA	1 U	10 U
Bromochloromethane	1 U	NA	NA	NA	1 U	10 U
Chloroform	1.1	NA	NA	NA	2.2	10 U
Carbon Tetrachloride	1 U	NA	NA	NA	1 U	10 U
1,1,1-Trichloroethane	1 U	NA	NA	NA	1 U	10 U
2-Butanone	5 U	NA	NA	NA	5 U	50 U
Benzene	1 U	NA	NA	NA	1 U	10 U
1,2-Dichloroethane	1 U	NA	NA	NA	1 U	10 U
Methylcyclohexane	3 U	NA	NA	NA	3 U	30 U
Trichloroethene	13	NA	NA	NA	35	400
1,2-Dichloropropane	1 U	NA	NA	NA	1 U	10 U
Bromodichloromethane	1 J	NA	NA	NA	1.8	10 U
1,4-Dioxane	100 U	NA	NA	NA	100 U	1,000 U
2-Chloroethyl Vinyl Ether	1 U	NA	NA	NA	1 U	10 U
cis-1,3-Dichloropropene	1 U	NA	NA	NA	1 U	10 U
Toluene	2 U	NA	NA	NA	2 U	20 U
Tetrachloroethene	1 U	NA	NA	NA	1 U	10 U
4-Methyl-2-pentanone	5 U	NA	NA	NA	5 U	50 U
trans-1,3-Dichloropropene	1 U	NA	NA	NA	1 U	10 U
1,1,2-Trichloroethane	1 U	NA	NA	NA	1 U	10 U
Dibromochloromethane	1 U	NA	NA	NA	1.1	10 U
1,2-Dibromoethane	1 U	NA	NA	NA	1 U	10 U
2-Hexanone	5 U	NA	NA	NA	5 U	50 U
Chlorobenzene	1 U	NA	NA	NA	1 U	10 U
Ethylbenzene	1 U	NA	NA	NA	1 U	10 U
m&p-Xylenes	1 U	NA	NA	NA	1 U	10 U
o-Xylene	1 U	NA	NA	NA	1 U	10 U
Bromoform	1 U	NA	NA	NA	1 U	10 U
Styrene	1 U	NA	NA	NA	1 U	10 U
Isopropylbenzene	1 U	NA	NA	NA	1 U	10 U
1,1,2,2-Tetrachloroethane	1 U	NA	NA	NA	1 U	10 U
1,3-Dichlorobenzene	1 U	NA	NA	NA	1 U	10 U
1,4-Dichlorobenzene	1 U	NA	NA	NA	1 U	10 U
1,2-Dichlorobenzene	1 U	NA	NA	NA	1 U	10 U
1,2-Dibromo-3-chloropropane	1 U	NA	NA	NA	1 U	10 U
1,2-4-Trichlorobenzene	1 U	NA	NA	NA	1 U	10 U
1,2,3-Trichlorobenzene	1 U	NA	NA	NA	1 U	10 U

B: Analyte detected in method blank;
E: Estimated value above high calibration standard;
J: Estimated value below referenced reporting limit (RL);
U: Analyte not detected above RL.

S2C2 inc.

Bedrock Groundwater VOCs
Packer-Testing - BR-12 Area
Carlson Park
July 2013

Sample ID	BR-12 V (15-20)	BR-12 VI (9-10)	BR-12 VI (16-18.5)	BR-12 VI (16-18.5)	BR-12 VII (6-11)	BR-12 VII (18.5-19) DF
Lab ID	X1318918-10	X1318920-1	X1318921-1	X1318921-5	X1318922-1	X1318923-1
Analyzed Date	7/10/13	7/11/13	7/11/13	7/11/13	7/11/13	7/11/13
Data File	CJUL099.D	CJUL104.D	CJUL105.D	CJUL106.D	CJUL107.D	CJUL108.D
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Drilling Fluid
Dilution Factor	10	1	1	5	1	1
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds						
Dichlorodifluoromethane	10 U	1 U	1 U		1 U	1 U
Chloromethane	20 U	2 U	2 U		2 U	2 U
Vinyl Chloride	10 U	2.5	18		1 U	1 U
Bromomethane	10 U	1 U	1 U		1 U	1 U
Chloroethane	10 U	1 U	1 U		1 U	1 U
Trichlorofluoromethane	10 U	1 U	1 U		1 U	1 U
Diethyl Ether	10 U	1 U	1 U		1 U	1 U
1,1-Dichloroethene	10 U	1 U	1.0		1 U	1 U
Carbon Disulfide	20 U	2 U	2 U		2 U	2 U
1,1,2-Trichlorotrifluoroethane	10 U	1 U	1 U		1 U	1 U
Acrolein	40 U	4 U	4 U		4 U	4 U
Methylene Chloride	10 U	1 U	1 U		1 U	1 U
Acetone	500 U	50 U	50 U		50 U	50 U
trans-1,2-Dichloroethene	10 U	2.0	7.8		1 U	1 U
Methyl Acetate	30 U	3 U	3 U		3 U	3 U
Methyl-tert-butyl Ether	10 U	1 U	1 U		1 U	1 U
tert-Butyl Alcohol	100 U	10 U	10 U		10 U	10 U
1,1-Dichloroethane	10 U	1 J	1.2		1 U	1 U
Acrylonitrile	20 U	2 U	2 U		2 U	2 U
Vinyl acetate	10 U	1 U	1 U		1 U	1 U
cis-1,2-Dichloroethene	84	23	330 E	290	3.0	1 J
Cyclohexane	10 U	1 U	1 U		1 U	1.5
Bromochloromethane	10 U	1 U	1 U		1 U	1 U
Chloroform	10 U	1 J	1 U		1.9	7.2
Carbon Tetrachloride	10 U	1 U	1 U		1 U	1 U
1,1,1-Trichloroethane	10 U	1 U	1 U		1 U	1 U
2-Butanone	50 U	5 U	5 U		5 U	5 U
Benzene	10 U	1 U	1 U		1 U	1.4
1,2-Dichloroethane	10 U	1 U	1 U		1 U	1 U
Methylcyclohexane	30 U	3 U	3 U		3 U	3 U
Trichloroethene	210	11	440 E	380	8.2	13
1,2-Dichloropropane	10 U	1 U	1 U		1 U	1 U
Bromodichloromethane	10 U	1 U	1 U		1.4	5.2
1,4-Dioxane	1,000 U	100 U	100 U		100 U	100 U
2-Chloroethyl Vinyl Ether	10 U	1 U	1 U		1 U	1 U
cis-1,3-Dichloropropene	10 U	1 U	1 U		1 U	1 U
Toluene	20 U	2 U	2 U		2 U	3.7
Tetrachloroethene	10 U	1 U	1 U		1 U	1 U
4-Methyl-2-pentanone	50 U	5 U	5 U		5 U	5 U
trans-1,3-Dichloropropene	10 U	1 U	1 U		1 U	1 U
1,1,2-Trichloroethane	10 U	1 U	1 U		1 U	1 U
Dibromochloromethane	10 U	1 U	1 U		1 J	2.7
1,2-Dibromoethane	10 U	1 U	1 U		1 U	1 U
2-Hexanone	50 U	5 U	5 U		5 U	5 U
Chlorobenzene	10 U	1 U	1 U		1 U	1 U
Ethylbenzene	10 U	1 U	1 U		1 U	1 U
m&p-Xylenes	10 U	1 U	1 U		1 U	3.5
o-Xylene	10 U	1 U	1 U		1 U	1.1
Bromoform	10 U	1 U	1 U		1 U	1 U
Styrene	10 U	1 U	1 U		1 U	1 U
Isopropylbenzene	10 U	1 U	1 U		1 U	1 U
1,1,2,2-Tetrachloroethane	10 U	1 U	1 U		1 U	1 U
1,3-Dichlorobenzene	10 U	1 U	1 U		1 U	1 U
1,4-Dichlorobenzene	10 U	1 U	1 U		1 U	1 U
1,2-Dichlorobenzene	10 U	1 U	1 U		1 U	1 U
1,2-Dibromo-3-chloropropane	10 U	1 U	1 U		1 U	1 U
1,2-4-Trichlorobenzene	10 U	1 U	1 U		1 U	1 U
1,2,3-Trichlorobenzene	10 U	1 U	1 U		1 U	1 U

B: Analyte detected in method blank;
E: Estimated value above high calibration standard;
J: Estimated value below referenced reporting limit (RL);
U: Analyte not detected above RL.

S2C2 inc.

Bedrock Groundwater VOCs
Packer-Testing - BR-12 Area
Carlson Park
July 2013

Sample ID	BR-12 VII (18.5) DF	BR-12 VII (15-20)	BR-12 VIII (11.5-15) Purge	BR-12 VIII (11-11.2)	BR-12 VIII (16-17)P1	BR-12 VIII (16-17)
Lab ID	X1318954-1	X1318955-1	X1318924-1	X1318925-1	X1318926-1	X1318927-1
Analyzed Date	7/17/13	7/17/13	7/11/13	7/11/13	7/12/13	7/12/13
Data File	CJUL163.D	CJUL164.D	CJUL109.D	CJUL110.D	CJUL114.D	CJUL115.D
Matrix	Drilling Fluid	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Dilution Factor	1	1	1	1	1	1
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds						
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	2 U	2 U	1.3 J	2 U	2 U	2 U
Vinyl Chloride	1 U	1 U	3.3	3.8	2.0	4.1
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl Ether	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1.2	1.3	1 U	1 J
Carbon Disulfide	1.2 J	2 U	2 U	2 U	2 U	2 U
1,1,2-Trichlorotrifluoroethane	1 U	1 U	1 U	1 U	1 U	1 U
Acrolein	4 U	4 U	4 U	4 U	4 U	4 U
Methylene Chloride	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U
trans-1,2-Dichloroethene	1 U	1 U	6.8	8.1	2.1	5.6
Methyl Acetate	3 U	3 U	3 U	3 U	3 U	3 U
Methyl-tert-butyl Ether	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butyl Alcohol	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	1 U	1 U	2.5	3.3	1 J	2.1
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 J	2.1	64	66	16	39
Cyclohexane	1.6	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	4.2	1 U	1 J	1 J	2.8	2.1
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1.6	2.1	1 U	1.2
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	3.0	1 J	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	4.8	1 J	3 U	3 U	3 U	3 U
Trichloroethene	4.0	2.6	160	180	48	120
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	3.0	1 U	1 J	1 U	2.1	1.3
1,4-Dioxane	100 U	100 U	100 U	100 U	100 U	100 U
2-Chloroethyl Vinyl Ether	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	6.5	2 U	2 U	2 U	2 U	2 U
Tetrachloroethene	1 U	1 U	1 J	1 J	1 U	1 J
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1.8	1 U	1 U	1 U	1.1	1 J
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 J	1 U	1 U	1 U	1 U	1 U
m&p-Xylenes	5.7	1 U	1 U	1 U	1 U	1 U
o-Xylene	1.8	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U	1 U
1,2-4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U

B: Analyte detected in method blank;
E: Estimated value above high calibration standard;
J: Estimated value below referenced reporting limit (RL);
U: Analyte not detected above RL.

S2C2 inc.

Bedrock Groundwater VOCs
Packer-Testing - BR-12 Area
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Sample ID	BR-12 IX (8.5-14)	BR-12 IX (15-20)	BR-12 IX (21-26)	BR-12 X (6-7.5) OB	BR-12 X (6-7.5) OB	BR-12 X (7.5-8)	BR-12 X (7.5-8)
Lab ID	X1318928-5	X1318929-5	X1318930-1	X1318931-1	X1318931-10	X1318932-10	X1318932-20
Analyzed Date	7/12/13	7/12/13	7/13/13	7/13/13	7/13/13	7/13/13	7/13/13
Data File	CJUL116.D	CJUL117.D	CJUL122.D	CJUL123.D	CJUL124.D	CJUL125.D	CJUL128.D
Matrix	Groundwater	Groundwater	Groundwater	OB Groundwater	OB Groundwater	Groundwater	Groundwater
Dilution Factor	5	5	1	1	10	10	20
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds							
Dichlorodifluoromethane	5 U	5 U	1 U	1 U		10 U	
Chloromethane	10 U	10 U	2 U	2 U		20 U	
Vinyl Chloride	5.7	24	1.9	8.8		83	
Bromomethane	5 U	5 U	1 U	1 U		10 U	
Chloroethane	5 U	5 U	1 U	1 U		10 U	
Trichlorofluoromethane	5 U	5 U	1 U	1 U		10 U	
Diethyl Ether	5 U	5 U	1 U	1 U		10 U	
1,1-Dichloroethene	5 U	3.2 J	1 J	1.1		5.5 J	
Carbon Disulfide	10 U	10 U	2 U	2 U		20 U	
1,1,2-Trichlorotrifluoroethane	5 U	5 U	1 U	1 U		10 U	
Acrolein	20 U	20 U	4 U	4 U		40 U	
Methylene Chloride	5 U	5 U	1 U	1 U		10 U	
Acetone	250 U	250 U	50 U	50 U		500 U	
trans-1,2-Dichloroethene	14	13	4.0	9.1		35	
Methyl Acetate	15 U	15 U	3 U	3 U		30 U	
Methyl-tert-butyl Ether	5 U	5 U	1 U	1 U		10 U	
tert-Butyl Alcohol	50 U	50 U	10 U	10 U		100 U	
1,1-Dichloroethane	5.0	5 U	1.1	1 J		10 U	
Acrylonitrile	10 U	10 U	2 U	2 U		20 U	
Vinyl acetate	5 U	5 U	1 U	1 U		10 U	
cis-1,2-Dichloroethene	120	430	73	160		790	
Cyclohexane	5 U	5 U	2.7	1 U		10 U	
Bromochloromethane	5 U	5 U	1 U	1 U		10 U	
Chloroform	5 U	5 U	7.3	1 U		10 U	
Carbon Tetrachloride	5 U	5 U	1 U	1 U		10 U	
1,1,1-Trichloroethane	3.8 J	5 U	1 J	1 U		10 U	
2-Butanone	25 U	25 U	5 U	5 U		50 U	
Benzene	5 U	5 U	1 U	1 J		10 U	
1,2-Dichloroethane	5 U	5 U	1 U	1 U		10 U	
Methylcyclohexane	15 U	15 U	6.3	3 U		30 U	
Trichloroethene	260	95	64	890 E	640	2,300 E	2,900
1,2-Dichloropropane	5 U	5 U	1 U	1 U		10 U	
Bromodichloromethane	5 U	5 U	4.9	1 U		10 U	
1,4-Dioxane	500 U	500 U	100 U	100 U		1,000 U	
2-Chloroethyl Vinyl Ether	5 U	5 U	1 U	1 U		10 U	
cis-1,3-Dichloropropene	5 U	5 U	1 U	1 U		10 U	
Toluene	10 U	10 U	2 U	2 U		20 U	
Tetrachloroethene	5 U	5 U	1 U	1.3		10 U	
4-Methyl-2-pentanone	25 U	25 U	5 U	5 U		50 U	
trans-1,3-Dichloropropene	5 U	5 U	1 U	1 U		10 U	
1,1,2-Trichloroethane	5 U	5 U	1 U	1 U		10 U	
Dibromochloromethane	5 U	5 U	2.5	1 U		10 U	
1,2-Dibromoethane	5 U	5 U	1 U	1 U		10 U	
2-Hexanone	25 U	25 U	5 U	5 U		50 U	
Chlorobenzene	5 U	5 U	1 U	1 U		10 U	
Ethylbenzene	5 U	5 U	1 J	1 U		10 U	
m&p-Xylenes	5 U	5 U	3.8	1 U		10 U	
o-Xylene	5 U	5 U	1.3	1 U		10 U	
Bromoform	5 U	5 U	1 U	1 U		10 U	
Styrene	5 U	5 U	1 U	1 U		10 U	
Isopropylbenzene	5 U	5 U	1 U	1 U		10 U	
1,1,2,2-Tetrachloroethane	5 U	5 U	1 U	1 U		10 U	
1,3-Dichlorobenzene	5 U	5 U	1 U	1 U		10 U	
1,4-Dichlorobenzene	5 U	5 U	1 U	1 U		10 U	
1,2-Dichlorobenzene	5 U	5 U	1 U	1 U		10 U	
1,2-Dibromo-3-chloropropane	5 U	5 U	1 U	1 U		10 U	
1,2-4-Trichlorobenzene	5 U	5 U	1 U	1 U		10 U	
1,2,3-Trichlorobenzene	5 U	5 U	1 U	1 U		10 U	

B: Analyte detected in method blank;
E: Estimated value above high calibration standard;
J: Estimated value below referenced reporting limit (RL);
U: Analyte not detected above RL.

S2C2 inc.

Bedrock Groundwater VOCs
Packer-Testing - BR-12 Area
Carlson Park
July 2013

Sample ID	BR-12 X (12.5-13)	BR-12 X (15-20)	BR-12 X (15-20)	BR-12 XI (11.5-12)	BR-12 XI (13.5-18.5)	BR-12 XI (20-25)
Lab ID	X1318933-10	X1318934-5	X1318934-10	X1318935-1	X1318936-1	X1318938-1
Analyzed Date	7/13/13	7/13/13	7/13/13	7/13/13	7/14/13	7/14/13
Data File	CJUL126.D	CJUL127.D	CJUL129.D	CJUL130.D	CJUL135.D	CJUL137.D
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Dilution Factor	10	5	10	1	1	1
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds						
Dichlorodifluoromethane	10 U	5 U		1 U	1 U	1 U
Chloromethane	20 U	10 U		2 U	2 U	2 U
Vinyl Chloride	150	51		5.9	11	13
Bromomethane	10 U	5 U		1 U	1 U	1 U
Chloroethane	10 U	5 U		1 U	1 U	1 U
Trichlorofluoromethane	10 U	5 U		1 U	1 U	1 U
Diethyl Ether	10 U	5 U		1 U	1 U	1 U
1,1-Dichloroethene	7.2 J	3.9 J		1 U	1 J	1 J
Carbon Disulfide	20 U	10 U		2 U	2 U	2 U
1,1,2-Trichlorotrifluoroethane	10 U	5 U		1 U	1 J	1 U
Acrolein	40 U	20 U		4 U	4 U	4 U
Methylene Chloride	10 U	5 U		1 U	1 U	1 U
Acetone	500 U	250 U		50 U	50 U	50 U
trans-1,2-Dichloroethene	47	27		2.4	5.4	5.4
Methyl Acetate	30 U	15 U		3 U	3 U	3 U
Methyl-tert-butyl Ether	10 U	5 U		1 U	1 U	1 U
tert-Butyl Alcohol	100 U	50 U		10 U	10 U	10 U
1,1-Dichloroethane	10 U	3.5 J		1 U	1 J	1 J
Acrylonitrile	20 U	10 U		2 U	2 U	2 U
Vinyl acetate	10 U	5 U		1 U	1 U	1 U
cis-1,2-Dichloroethene	1,300	650		68	190	180
Cyclohexane	10 U	5 U		1 U	1 U	1 U
Bromochloromethane	10 U	5 U		1 U	1 U	1 U
Chloroform	10 U	5.2		3.2	1.5	2.7
Carbon Tetrachloride	10 U	5 U		1 U	1 U	1 U
1,1,1-Trichloroethane	10 U	5 U		1 U	1 U	1 U
2-Butanone	50 U	25 U		5 U	5 U	5 U
Benzene	10 U	5 U		1 U	1 U	1 U
1,2-Dichloroethane	10 U	5 U		1 U	1 U	1 U
Methylcyclohexane	30 U	15 U		3 U	3 U	3 U
Trichloroethene	1,300	1,100 E	1,100	30	54	32
1,2-Dichloropropane	10 U	5 U		1 U	1 U	1 U
Bromodichloromethane	10 U	3.2 J		2.3	1 J	1.7
1,4-Dioxane	1,000 U	500 U		100 U	100 U	100 U
2-Chloroethyl Vinyl Ether	10 U	5 U		1 U	1 U	1 U
cis-1,3-Dichloropropene	10 U	5 U		1 U	1 U	1 U
Toluene	20 U	10 U		2 U	2 U	2 U
Tetrachloroethene	10 U	5 U		1 U	1 U	1 U
4-Methyl-2-pentanone	50 U	25 U		5 U	5 U	5 U
trans-1,3-Dichloropropene	10 U	5 U		1 U	1 U	1 U
1,1,2-Trichloroethane	10 U	5 U		1 U	1 U	1 U
Dibromochloromethane	10 U	5 U		1.3	1 U	1 J
1,2-Dibromoethane	10 U	5 U		1 U	1 U	1 U
2-Hexanone	50 U	25 U		5 U	5 U	5 U
Chlorobenzene	10 U	5 U		1 U	1 U	1 U
Ethylbenzene	10 U	5 U		1 U	1 U	1 U
m&p-Xylenes	10 U	5 U		1 U	1 U	1 U
o-Xylene	10 U	5 U		1 U	1 U	1 U
Bromoform	10 U	5 U		1 U	1 U	1 U
Styrene	10 U	5 U		1 U	1 U	1 U
Isopropylbenzene	10 U	5 U		1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	10 U	5 U		1 U	1 U	1 U
1,3-Dichlorobenzene	10 U	5 U		1 U	1 U	1 U
1,4-Dichlorobenzene	10 U	5 U		1 U	1 U	1 U
1,2-Dichlorobenzene	10 U	5 U		1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	10 U	5 U		1 U	1 U	1 U
1,2-4-Trichlorobenzene	10 U	5 U		1 U	1 U	1 U
1,2,3-Trichlorobenzene	10 U	5 U		1 U	1 U	1 U

B: Analyte detected in method blank;
E: Estimated value above high calibration standard;
J: Estimated value below referenced reporting limit (RL);
U: Analyte not detected above RL.

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Bedrock Groundwater VOCs
Packer-Testing - BR-12 Area
Carlson Park
July 2013

Sample ID	BR-12 XII (6.5-8) OB	BR-12 XII (8.5-13)	BR-12 XII (15-20)	BR-12 XIII (9-13)	BR-12 XIII (14-19)	BR-12 XIII (20-25)
Lab ID	X1318942-1	X1318943-1	X1318944-1	X1318939-1	X1318940-1	X1318941-1
Analyzed Date	7/15/13	7/15/13	7/15/13	7/14/13	7/15/13	7/15/13
Data File	CJUL145.D	CJUL146.D	CJUL147.D	CJUL138.D	CJUL142.D	CJUL143.D
Matrix	OB Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Dilution Factor	1	1	1	1	1	1
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds						
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl Chloride	1 U	9.5	1.1	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl Ether	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1.0	1 U	1 U	1 U	1 U
Carbon Disulfide	2 U	2 U	2 U	2 U	2 U	2 U
1,1,2-Trichlorotrifluoroethane	1 U	1 U	1 U	1 U	1 U	1 U
Acrolein	4 U	4 U	4 U	4 U	4 U	4 U
Methylene Chloride	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U
trans-1,2-Dichloroethene	1.4	8.5	3.1	2.0	1.5	1.2
Methyl Acetate	3 U	3 U	3 U	3 U	3 U	3 U
Methyl-tert-butyl Ether	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butyl Alcohol	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	1 U	1.5	1 J	1 J	1 U	1 U
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	20	180	53	17	10	9.0
Cyclohexane	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1.4	2.1	6.6	7.4
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 J	1 U	1 U
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	3 U	3 U	3 U	3 U	3 U	3 U
Trichloroethene	21	120	84	68	36	34
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1.0	1.7	4.4	4.8
1,4-Dioxane	100 U	100 U	100 U	100 U	100 U	100 U
2-Chloroethyl Vinyl Ether	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	2 U	2 U	2 U	2 U	2 U	2 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 J	1 J	2.3	2.5
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylenes	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	1 U	1 U
1,2-4-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U

B: Analyte detected in method blank;
E: Estimated value above high calibration standard;
J: Estimated value below referenced reporting limit (RL);
U: Analyte not detected above RL.

S2C2 inc.

Bedrock Groundwater VOCs
Packer-Testing - BR-12 Area
Carlson Park
July 2013

Sample ID	BR-12 XIV (8.5-9)	BR-12 XIV (12.5-13)	BR-12 XIV (15-20)	BR-12 XV (6-11)	BR-12 XV (16.5) DF	BR-12 XV (16.5) DF
Lab ID	X1318946-1	X1318945-1	X1318947-1	X1318956-1	X1318957-5	X1318957-20
Analyzed Date	7/16/13	7/16/13	7/16/13	7/17/13	7/17/13	7/17/13
Data File	CJUL153.D	CJUL150.D	CJUL152.D	CJUL165.D	CJUL166.D	CJUL167.D
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Drilling Fluid	Drilling Fluid
Dilution Factor	1	1	1	1	5	20
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds						
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	5 U	
Chloromethane	2 U	2 U	2 U	2 U	10 U	
Vinyl Chloride	1.2	1 J	1 U	2.9	5 U	
Bromomethane	1 U	1 U	1 U	1 U	5 U	
Chloroethane	1 U	1 U	1 U	1 U	5 U	
Trichlorofluoromethane	1 U	1 U	1 U	1 U	5 U	
Diethyl Ether	1 U	1 U	1 U	1 U	5 U	
1,1-Dichloroethene	1 U	1 U	1 U	1 U	5 U	
Carbon Disulfide	2 U	2 U	2 U	2 U	10 U	
1,1,2-Trichlorotrifluoroethane	1 U	1 U	1 U	1 U	5 U	
Acrolein	4 U	4 U	4 U	4 U	20 U	
Methylene Chloride	1 U	1 U	1 U	1 U	5 U	
Acetone	50 U	50 U	50 U	50 U	250 U	
trans-1,2-Dichloroethene	3.5	6.6	4.4	2.4	5 U	
Methyl Acetate	3 U	3 U	3 U	3 U	15 U	
Methyl-tert-butyl Ether	1 U	1 U	1 U	1 U	5 U	
tert-Butyl Alcohol	10 U	10 U	10 U	10 U	50 U	
1,1-Dichloroethane	1 J	1.1	1 J	1 J	5 U	
Acrylonitrile	2 U	2 U	2 U	2 U	10 U	
Vinyl acetate	1 U	1 U	1 U	1 U	5 U	
cis-1,2-Dichloroethene	28	55	37	31	30	
Cyclohexane	1 J	1 U	1 U	1 U	5 U	
Bromochloromethane	1 U	1 U	1 U	1 U	5 U	
Chloroform	1 J	1 J	2.4	1 J	5 U	
Carbon Tetrachloride	1 U	1 U	1 U	1 U	5 U	
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	5 U	
2-Butanone	5 U	5 U	5 U	5 U	25 U	
Benzene	1.4	1 U	1 U	1 U	5 U	
1,2-Dichloroethane	1 U	1 U	1 U	1 U	5 U	
Methylcyclohexane	1.2 J	3 U	3 U	3 U	15 U	
Trichloroethene	20	38	29	13	2,000 E	2,600
1,2-Dichloropropane	1 U	1 U	1 U	1 U	5 U	
Bromodichloromethane	1 U	1 U	1.7	1 U	5 U	
1,4-Dioxane	100 U	100 U	100 U	100 U	500 U	
2-Chloroethyl Vinyl Ether	1 U	1 U	1 U	1 U	5 U	
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	5 U	
Toluene	2 U	2 U	2 U	2 U	10 U	
Tetrachloroethene	1.8	2.3	2.3	1 U	5 U	
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	25 U	
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	5 U	
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	5 U	
Dibromochloromethane	1 U	1 U	1.0	1 U	5 U	
1,2-Dibromoethane	1 U	1 U	1 U	1 U	5 U	
2-Hexanone	5 U	5 U	5 U	5 U	25 U	
Chlorobenzene	1 U	1 U	1 U	1 U	5 U	
Ethylbenzene	1.1	1 U	1 U	1 U	5 U	
m&p-Xylenes	1.5	1 U	1 U	1 U	5 U	
o-Xylene	2.5	1 U	1 U	1 U	5 U	
Bromoform	1 U	1 U	1 U	1 U	5 U	
Styrene	1 U	1 U	1 U	1 U	5 U	
Isopropylbenzene	1 U	1 U	1 U	1 U	5 U	
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	5 U	
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	5 U	
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	5 U	
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	5 U	
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	5 U	
1,2-4-Trichlorobenzene	1 U	1 U	1 U	1 U	5 U	
1,2,3-Trichlorobenzene	1 U	1 U	1 U	1 U	5 U	

B: Analyte detected in method blank;
E: Estimated value above high calibration standard;
J: Estimated value below referenced reporting limit (RL);
U: Analyte not detected above RL.

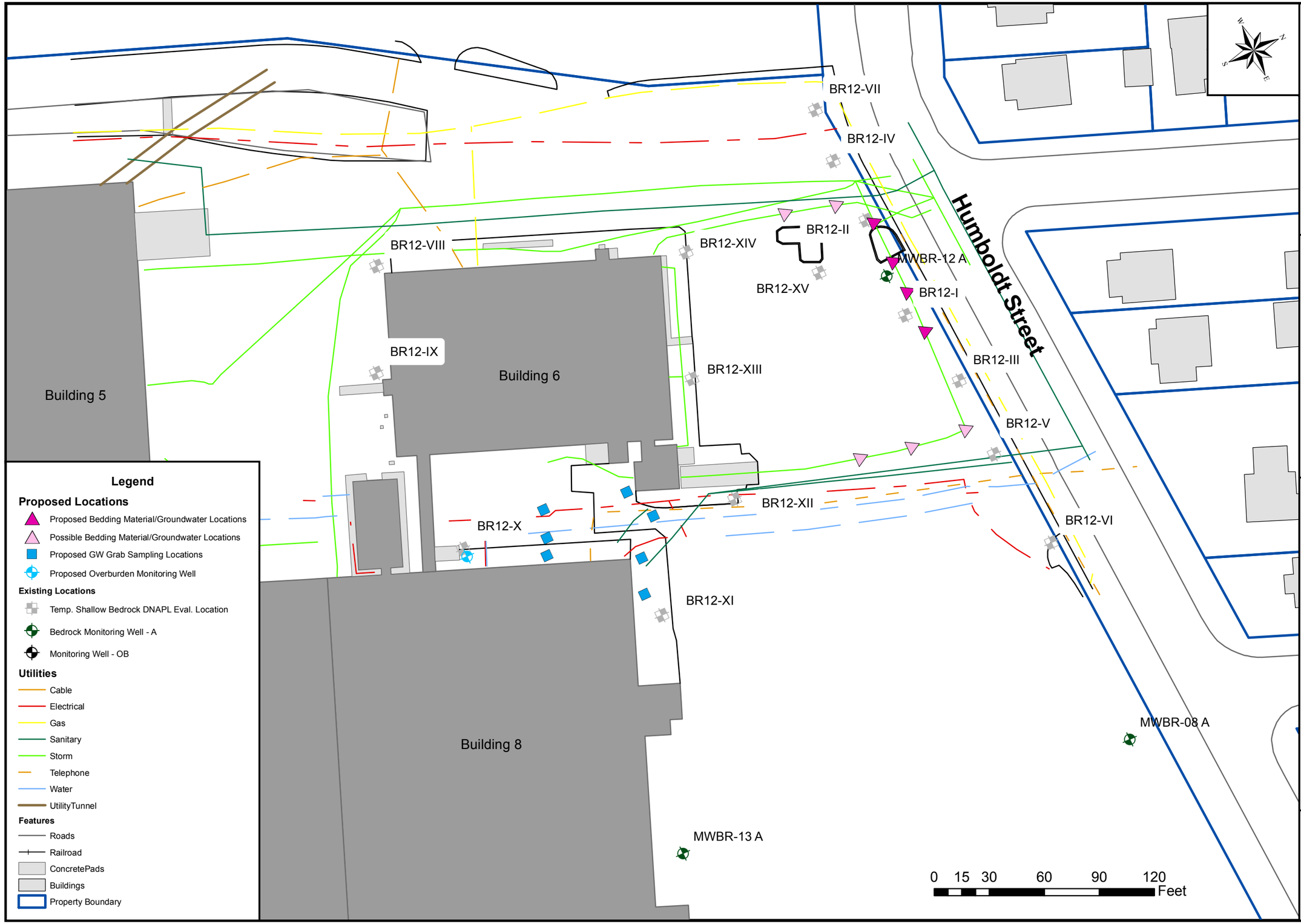
S2C2 inc.

Bedrock Groundwater VOCs
Packer-Testing - BR-12 Area
Carlson Park
July 2013

Sample ID	BR-12 XV (13-18) P1	BR-12 XV (13-18) P1	BR-12 XV (13-18)			
Lab ID	X1318958-1	X1318958-20	X1318959-20			
Analyzed Date	7/17/13	7/17/13	7/17/13			
Data File	CJUL168.D	CJUL170.D	CJUL169.D			
Matrix	Groundwater	Groundwater	Groundwater			
Dilution Factor	1	20	20			
Units	ug/L	ug/L	ug/L			
Volatile Organic Compounds						
Dichlorodifluoromethane	1 U		20 U			
Chloromethane	2 U		40 U			
Vinyl Chloride	1.1		20 U			
Bromomethane	1 U		20 U			
Chloroethane	1 U		20 U			
Trichlorofluoromethane	1 U		20 U			
Diethyl Ether	1 U		20 U			
1,1-Dichloroethene	1 J		20 U			
Carbon Disulfide	2 U		40 U			
1,1,2-Trichlorotrifluoroethane	1 U		20 U			
Acrolein	4 U		80 U			
Methylene Chloride	1 U		20 U			
Acetone	50 U		1,000 U			
trans-1,2-Dichloroethene	3.6		20 U			
Methyl Acetate	3 U		60 U			
Methyl-tert-butyl Ether	1 U		20 U			
tert-Butyl Alcohol	10 U		200 U			
1,1-Dichloroethane	1.2		20 U			
Acrylonitrile	2 U		40 U			
Vinyl acetate	1 U		20 U			
cis-1,2-Dichloroethene	89		110			
Cyclohexane	1 U		20 U			
Bromochloromethane	1 U		20 U			
Chloroform	1.4		20 U			
Carbon Tetrachloride	1 U		20 U			
1,1,1-Trichloroethane	1 U		20 U			
2-Butanone	5 U		100 U			
Benzene	1 J		20 U			
1,2-Dichloroethane	1 U		20 U			
Methylcyclohexane	3 U		60 U			
Trichloroethene	1,100 E	1,500	1,100			
1,2-Dichloropropane	1 U		20 U			
Bromodichloromethane	1 J		20 U			
1,4-Dioxane	100 U		2,000 U			
2-Chloroethyl Vinyl Ether	1 U		20 U			
cis-1,3-Dichloropropene	1 U		20 U			
Toluene	2 U		40 U			
Tetrachloroethene	1 J		20 U			
4-Methyl-2-pentanone	5 U		100 U			
trans-1,3-Dichloropropene	1 U		20 U			
1,1,2-Trichloroethane	1 U		20 U			
Dibromochloromethane	1 U		20 U			
1,2-Dibromoethane	1 U		20 U			
2-Hexanone	5 U		100 U			
Chlorobenzene	1 U		20 U			
Ethylbenzene	1 U		20 U			
m&p-Xylenes	1 U		20 U			
o-Xylene	1 U		20 U			
Bromoform	1 U		20 U			
Styrene	1 U		20 U			
Isopropylbenzene	1 U		20 U			
1,1,2,2-Tetrachloroethane	1 U		20 U			
1,3-Dichlorobenzene	1 U		20 U			
1,4-Dichlorobenzene	1 U		20 U			
1,2-Dichlorobenzene	1 U		20 U			
1,2-Dibromo-3-chloropropane	1 U		20 U			
1,2-4-Trichlorobenzene	1 U		20 U			
1,2,3-Trichlorobenzene	1 U		20 U			

B: Analyte detected in method blank;
E: Estimated value above high calibration standard;
J: Estimated value below referenced reporting limit (RL);
U: Analyte not detected above RL.

W:\Projects\Rochester\ArcMap\BedrockEvaluation2013\ProposedLocations ShallowBedrockEvaluationBR-12Area.mxd



Legend

Proposed Locations
- Proposed Bedding Material/Groundwater Locations
- Possible Bedding Material/Groundwater Locations
- Proposed GW Grab Sampling Locations
- Proposed Overburden Monitoring Well

Existing Locations
- Temp. Shallow Bedrock DNAPL Eval. Location
- Bedrock Monitoring Well - A
- Monitoring Well - OB

Utilities
- Cable
- Electrical
- Gas
- Sanitary
- Storm
- Telephone
- Water
- UtilityTunnel

Features
- Roads
- Railroad
- ConcretePads
- Buildings
- Property Boundary

S_2C_2 inc.

CARLSON PARK FACILITY
CARLSON ROAD
ROCHESTER, NEW YORK

TITLE: PROPOSED EVALUATION LOCATIONS SUMMER 2014

FIGURE: 2

SCALE: 1:600