May 7, 2019
File No. 25218118.00

Mr. Jason Lowery
Wisconsin Department of Natural Resources
101 S. Webster Street
Madison, WI 53707

Subject: Groundwater Monitoring Report for Keck Farm
Town of Watertown, Jefferson County
BRRTS No. 02-28-000945
WDNR Contract No. 37000-0000008175

Dear Mr. Lowery:

SCS Engineers (SCS) is providing this groundwater monitoring report for the Keck Farm site (Site) in accordance with the contract referenced above and associated scope of work (SOW) for the project. The location of the Site and groundwater monitoring wells are shown on **Figure 1**, the Site Plan.

INTRODUCTION

The SOW for the groundwater sampling phase of the project included the following tasks:

- Obtaining water level measurements at 46 groundwater monitoring wells
- Collecting samples for analysis of volatile organic compounds (VOCs) from 20 of those 46 wells
- Collecting a sample from a private well for analysis of VOCs
- Preparing this groundwater monitoring report

DEVIATIONS FROM SCOPE OF WORK (SOW)

Groundwater monitoring was performed in April 2019 consistent with the approved August 2018 Quality Assurance Plan (QAP), the SOW, and subsequent Wisconsin Department of Natural Resources (WDNR) communications with the following exceptions:

- A water level measurement could not be obtained and a sample could not be collected from monitoring well MW-11D due to a submersible electric (i.e., Grundfos) pump which remains stuck in the 2-inch-diameter stainless steel well. As previously discussed, the pump got stuck in the well during redevelopment in September 2018. The pump could not be pulled past a joint or kink in the well casing near the bottom of the well. The electrical wires and lifting cable broke near the pump during an initial attempt to pull the pump from the well. Several subsequent attempts were made to recover the pump in September 2018 by pulling on the polyethylene tubing, but the pump could not be dislodged. In October 2018, multiple attempts were made to slide a snare made of stronger stainless steel cable (i.e., 1,200 pound break strength) down the tubing to retrieve the pump, but the cable snare only slid along the pump tubing. In April 2018, SCS added a stainless steel weight above the snare and attempted to use the modified

snare to cut the pump tubing just above the pump. This time the snare caught something solid in the well (potentially the pump), and when a skid steer bucket was used to pull upward on the cable, it broke. SCS reconstructed the snare and again attempted to lower it using the tubing as a guide to cut the tubing near the top of the pump. The snare would not pass an apparent obstruction in the well that was approximately 34 feet below the top of casing (btoc). The snare cut the tubing off at approximately 34 feet btoc. The inability to collect a sample from MW-11D is not expected to significantly affect the interpretation of the magnitude or extent of contamination at the site, as there are other wells in the area at similar depths. SCS recommends that a driller be contracted to try and "fish" the pump, tubing, and cable from the well. If the materials cannot be recovered the well should be permanently abandoned in accordance with the requirements of NR 141.

- Water levels could not be measured at wells MW-12D or MW-13C due to obstructions in these wells. The obstructions were documented in SCS's August 8, 2018 Well Inventory Summary. MW-12D is obstructed at approximately 21 feet btoc, and MW-13C is obstructed at approximately 45 feet btoc. The obstruction at MW-13C appears to have moved deeper within the well. Initial attempts to remove the obstruction with a small auger and vacuum were unsuccessful. The cause of the obstruction at MW-12 D is unknown. The inability to obtain water levels at these wells is not expected to significantly affect the interpretation of groundwater flow in the area as there are other monitoring points in the vicinity. SCS recommends that a driller be contracted to try and clear the obstructions from the MW-12D and MW-13C wells. If the obstructions cannot be removed the wells should be permanently abandoned in accordance with the requirements of NR 141

There are a number of other monitoring wells that are not functioning or not utilized in the current monitoring program. Those wells are described in SCS's Well Inventory Summary dated August 8, 2018. Those wells should also be abandoned in accordance with NR 141.

GROUNDWATER SAMPLING

Groundwater sampling methods for the April 2019 sampling event are summarized below. Groundwater sampling field sheets are provided in Attachment A. Groundwater and quality control (QC) samples were submitted to TestAmerica Laboratories, Inc. of University Park, Illinois, for laboratory analysis of VOCs. The laboratory report is included in Attachment B.

Monitoring Wells

The depth to water measurements for site monitoring wells were obtained by SCS personnel on April 1, 2019. SCS personnel measured field parameters and collected groundwater samples from the monitoring wells during the period of April 1, 2019, through April 3, 2019.

Monitoring wells MW-7, MW-8, and MW-9 were purged dry and sampled with dedicated bailers. The remaining monitoring wells were sampled using a submersible electric pump and low-flow sampling methods.

Private Water Supply Well

SCS collected a groundwater sample on April 2, 2019, from the private well (PW-16) for the residence at N8957 West Road. The sample was collected at an outside tap where it had been sampled previously. The sample was collected after allowing the water to run for a minimum of 10 minutes. The sample results were transmitted to the owner and the WDNR by letters dated April 25, 2019.

WASTE MANAGEMENT

Approximately 50 gallons of water was generated as a result of sampling activities in April 2019. The wastewater was composited in a 275-gallon plastic tote, which is stored in the former air stripper building at the Site. A sample was collected from the tote and analyzed for VOCs for waste characterization purposes. The laboratory report, including results from analysis of this sample, are included in Attachment B. SCS is currently coordinating disposal of the wastewater.

FINDINGS

Groundwater Analytical Results

Groundwater sample results from the April 2019 event for site monitoring wells and the above-noted private well (PW-16) are included in the historical data summary in Table 1. The results from the April 2019 sampling event that exceeded a concentration established as an Enforcement Standard (ES) in Chapter NR 140 of the Wisconsin Administrative Code (Wis. Adm. Code) are summarized in Table 2. The April 2019 results are generally consistent with results from the prior sampling event performed in October 2018.

Trichloroethylene (TCE) was the compound that was reported most frequently and at the highest concentration in the samples from the groundwater monitoring wells. TCE was identified at concentrations above the ES (5 micrograms per liter [µg/L]) in 15 of the 19 samples, at concentrations up to 110,000 µg/L (MW-9). TCE was quantified at concentrations greater than 100 times the ES (500 µg/L) in 7 of the 19 samples from the groundwater monitoring wells during this sampling period.

Vinyl chloride (VC) was identified at concentrations above the ES (0.2 µg/L) in 8 of the 19 samples, at concentrations up to 880 µg/L (MW-19C). VC was quantified at concentrations greater than or equal to 100 times the ES (20 µg/L) in 3 of the 19 samples from the groundwater monitoring wells during this sampling period.

Cis-1,2-dichloroethene (cis-1,2-DCE) was identified at concentrations above the ES (70 µg/L) in 6 of the 19 samples, at concentrations up to 65,000 µg/L (MW-19C). Cis-1,2-DCE was quantified at concentrations greater than 100 times the ES (7,000 µg/L) in 2 of the 19 samples from the groundwater monitoring wells during this sampling period.

Trans-1,2-dichloroethene (trans-1,2-DCE) was identified at concentrations above the ES (100 µg/L) in 3 of the 19 samples, at concentrations up to 560 µg/L (MW-1C). Trans-1,2-DCE was not quantified at concentrations greater than 100 times the ES (10,000 µg/L) in any of the samples from the groundwater monitoring wells during this sampling period.

As shown in **Table 2**, only one other VOC (i.e., 1,1-dichloroethylene at MW-19C) was reported at a concentration above an ES in the data from the April 2019 sampling event.

The approximate extents of groundwater contamination exceeding ESs and 100 times ESs are shown on **Figure 2**. The extents shown do not take into account the site history which included several areas of waste disposal and may be limited by the locations where wells were installed and/or sampled.

Private Well Sample

VOCs were not detected in the April 2019 sample from the private well for the residence located at N8957 West Road, which is located approximately 0.5 mile northwest of the Site.

Quality Control

The samples were received in good condition at the laboratory, were properly preserved and within temperature requirements, and analyzed within holding time requirements.

Several samples were appropriately diluted by the laboratory to bring the concentration of the target analytes into the calibration range of the instrument; this results in an increase in the detection and reporting limits associated with the diluted samples. This is standard practice and is not expected to affect the interpretation of the data.

The unqualified results from analysis of duplicate samples indicate relatively good reproducibility in terms of compounds identified and quantification (i.e., within 10 percent).

With regard to analysis of laboratory quality control samples, several results for naphthalene or 1,2,4-trichlorobenzene were qualified as possible laboratory contaminants due to the presence of those compounds in the laboratory method blank. The concentrations in the method blank were low (i.e., below the reporting limit), and the qualified compounds are not contaminants of concern (COC) at the site; thus, the qualified results are not expected to materially affect the evaluation of the data from this sampling period. The laboratory also included a note that the acetone result from analysis of the sample from the tote may be due to lab contamination. Acetone is a known laboratory contaminant, and not a COC at the site; thus, the potential laboratory artifact is not expected to affect the analysis of the data from this sampling event.

The analysis of quality control samples prepared in association with this sampling event do not indicate any significant issues with sample contamination. There were no VOCs identified in laboratory analysis of the trip blank (TB) prepared in association with this sampling event. Low concentrations of two VOCs (i.e., toluene and trichloroethylene) were quantified at estimated concentrations below the associated preventive action limits (PALs), in analysis of the two field blanks (FBs).

Groundwater Flow

Groundwater elevation data from the April 2019 sampling event is provided in **Table 3**. Groundwater flow maps, based on water levels at site water table wells and bedrock wells, are provided as **Figure 3** and **Figure 4**. Groundwater flow at the water table appears to follow site topography with radial flow pattern near monitoring well MW-36. Groundwater flow in bedrock at the site appears to be generally to the east.

SUMMARY

SCS completed the April 2019 groundwater sampling activities consistent with the QAP, with the exception of one sample (MW-11D) and three water elevations (MW-11D, MW-12D, and MW-13C). These deviations are not expected to significantly influence the findings.

Analysis of results from laboratory and field QC samples indicates that the data are expected to be acceptable for use.

The April 2019 groundwater monitoring results are generally consistent with the October 2018 results and show that several VOCs remain in groundwater at concentrations in excess of NR 140 ESs at a number of site monitoring wells. The COC are VOCs - primarily TCE and its degradation products including cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride. The concentrations of toluene at two wells (i.e., MW-5 and MW-6) and 1,1,2-trichloroethane at one well (MW-1C) in excess of the ES reported from analysis of the samples in October 2018 were not confirmed by analysis of the samples collected in April 2019.

Among the wells sampled in October 2018 and April 2019, the VOC results from analysis of those samples are generally higher and more variable at wells MW-1C, MW-19C, MW-36D, MW-43D, MW-44D, and MW-45D than in the past. These wells are located in the same area of the site. The potential increase in concentration of VOCs over time at the four bedrock wells may indicate that the plume is not stable in that area of the site.

The results from laboratory analysis of a sample collected in April 2019 from the private water supply well for the residence at N8957 West Road, did not confirm the low concentration of TCE quantified in analysis of the October 2018 sample collected from this well. The April 2019 sample was collected at the same point as the sample in October 2018.

Groundwater flow at the water table appears to follow site topography, flowing radially from the MW-36 location, while groundwater flow in the bedrock across the Site appears to be generally toward the east.

SCS plans to coordinate off-site disposal of the wastewater generated during April 2019 sampling and will provide the WDNR with disposal documentation when completed. No other work is planned for this project under the current contract.

Please contact Robert Langdon at 608-216-7329 if you have any questions regarding this report.

Sincerely,

Robert Langdon
Senior Project Manager
SCS Engineers

Michael J. Prattke
Division Leader
SCS Engineers

REL/lmh/MP

Attachments: Table 1 – Groundwater Analytical Results Summary – VOCs
Table 2 – Summary of Enforcement Standard Exceedances – April 2019
Table 3 – Water Level Summary
Figure 1 – Site Plan
Figure 2 – Groundwater Exceedances Map – April 2019
Figure 3 – Water Table Elevation Contour Map – April 2019
Figure 4 – Bedrock Groundwater Elevation Contour Map – April 2019
Attachment A – Groundwater Sampling Field Sheets
Attachment B –Laboratory Report

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Tables

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-1C	5/24/1989	--	NA	**5**	<20	11.5	<5	**8.2**	NA	*53.4*	<5	NA	**2,237**	15.4	<5	**12.6**	**2,904**	**10.4**	<5	
	10/24/1989	--	NA	<50	<200	<50	<50	<100	NA	<100	<100	NA	**1,030**	<50	<50	<50	**3,990**	<20	<100	
	1/10/1990	--	NA	<50	<200	<50	<50	<100	NA	<100	<100	NA	**456**	<50	<50	<50	**2,300**	<200	<100	
	4/24/1990	--	NA	<125	<1,625	<125	<125	<125	NA	<125	<125	NA	**89.7**	<125	<125	<125	**4,160**	<125	<125	
	7/18/1990	--	NA	<250	<1,000	<250	<250	<500	NA	<500	<500	NA	**601**	<250	<250	<250	**5,110**	<100	<500	
	10/18/2000	--	<30	<5	NA	6 J	NA	<5	*67*	<5	<5	NA	<10	<5	--	<5	**7,500**	NA	<5	
	11/21/2008	--	ND	ND	ND	ND	ND	ND	**12,400**	**230**	ND	ND	ND	ND	ND		**2,050**	ND	ND	ND
	2/23/2009	--	ND	ND	ND	ND	ND	ND	**9,180**	ND	ND	ND	**329**	ND	ND		**10,000**	ND	ND	ND
	10/18/2018	--	<17	*3.9* J1	<21	<4.1	<3.9	**8.7** J1	**2,500**	**330**	2.2 J1	<22	<16	1.7 J1	5.8 J1	**17**	**12,000**	**63**	3.8 J1	Chloroform **6.5** J1 Dichlorodifluoromethane 8.0 J1
	4/2/2019	--	<87	<7.3	<110	<21	<20	<20	**3,700**	**560**	<9.2	<110	<82	<7.6	<19	<18	**11,000**	**270**	<11	ND
MW-2	5/25/1989	--	NA	<5	<5	<5	<5	<5	NA	<5	<5	NA	<5	<5	<5	<5	<5	<5	<5	
	10/23/1989	--	NA	<1	<2	<0.5	<0.5	<1	NA	<1	1.92	NA	**6.07**	<0.5	<0.5	<0.5	*0.5*	<2	<1	
	1/9/1990	--	NA	<0.5	<2	<0.5	<0.5	<1	NA	<1	<1	NA	<1	<0.5	<0.5	<0.5	<0.5	<2	<1	
	4/24/1990	--	NA	<5	<65	<5	<5	<5	NA	<5	<5	NA	<5	<5	<5	<5	<5	<5	<5	
	7/11/1990	--	NA	<0.2	<2	<0.5	<0.5	<1	NA	<1	<1	NA	<1	<0.5	<0.5	<0.5	*2.37*	<2	<1	
	10/18/2000	--	25	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	**46**	NA	<1	
MW-3	5/25/1989	--	NA	<50	<200	<50	<50	<50	NA	<50	**1,459**	NA	<50	*506*	<50	<50	**201,000**	<50	**5,200**	
	10/25/1989	--	NA	<5,000	<20,000	<5,000	<5,000	<10,000	NA	<10,000	<10,000	NA	**39,300**	**6,000**	<5,000	<5,000	**162,000**	<20,000	<10,000	
	1/11/1990	--	NA	<2,000	<20,000	<5,000	<5,000	<10,000	NA	<10,000	<10,000	NA	<10,000	**8,810**	<5,000	<5,000	**291,000**	<20,000	**13,800**	
	4/24/1990	--	NA	<10,000	<10,000	<10,000	<10,000	<10,000	NA	<10,000	<10,000	NA	<10,000	**8,170**	<10,000	<10,000	**396,000**	<10,000	**4,040**	
	7/11/1990	--	NA	<2,000	<20,000	<5,000	<5,000	<10,000	NA	<10,000	<10,000	NA	<10,000	**11,600**	<5,000	<5,000	**991,000**	<2,000	<10,000	
	10/18/2000	--	<30	<5	NA	NA	NA	<5	<5	<5	<5	NA	<10	<5	NA	<5	**3,200**	<2	<5	
	Post-Active Remedial System Operation																			
	12/17/2002	--	<15	<1	<15	<3	<3	<2	3 J	<2	<2	<15	<5	<2	<2	<2	**3,200**	<3	<2	
	5/6/2003	--	<12	<1	<6	<2	<2	<2	<2	<2	<2	<6	<4	<1	<2	<2	**3,700**	<2	<2	
	11/24/2003	--	<6	<0.5	<3	<1	<1	<0.8	1 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**3,000**	<1	<0.8	
	8/24/2004	--	<30	<3	<15	<5	<5	<4	<4	<4	<4	<15	<10	<4	<4	<4	**3,400**	<5	<4	
	Post-Injection Monitoring																			
	3/14/2005	--	<6	<0.5	<3	<1	<1	<0.8	1 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**3,400**	<1	<0.8	
	10/28/2005	--	<30	<3	<15	<5	<5	<4	<4	<4	<4	<15	<10	<4	<4	<4	**3,700**	<5	<4	
	11/14/2006	--	<30	<3	<15	<5	<5	<4	<4	<4	<4	<15	<10	<4	<4	<4	**3,400**	<5	<4	
	11/14/2006 (Dup)	--	<30	<3	<15	<5	<5	<4	<4	<4	<4	<15	<10	<4	<4	<4	**3,300**	<5	<4	
	11/17/2008	--	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	1.4		**4,710**	ND	ND	Chloroform 0.49 Tetrachloroethene *1.6*
	10/18/2018	--	<8.7	<0.73	<11	<2.1	<2.0	<2.0	<2.0	<1.7	<0.92	<11	<8.2	<0.76	<1.9	<1.8	**3,600**	<1.0	<1.1	ND
	4/3/2019	--	<17	<1.5	<21	<4.1	<3.9	<3.9	<4.1	<3.5	<1.8	<22	<16	<1.5	<3.8	<3.5	**4,000**	<2.0	<2.2	ND

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(Results are in µg/L)

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CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330−20−7 (See Notes)		
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000		
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400		
MW-4	5/25/1989	--	NA	<125	<500	<125	<125	<125	NA	**656**	<125	NA	<125	<125	<125	<125	**9,443**	<125	<125		
	10/24/1989	--	NA	<125	<500	<125	<125	<250	NA	**799**	<250	NA	**1,030**	<125	<125	<125	**9,390**	<500	<250		
	1/10/1990	--	NA	<125	<500	<125	<125	<250	NA	**1,290**	<250	NA	**256**	<125	<125	<125	**12,500**	<500	<250		
	4/24/1990	--	NA	<1,250	<16,250	<1,250	<1,250	<1,250	NA	**2,160**	<1,250	NA	**635**	<1,250	<1,250	<1,250	**12,100**	<1,250	<1,250		
	7/18/1990	--	NA	<400	<4,000	<1,000	<1,000	<2,000	NA	**5,010**	<2,000	NA	<2,000	<1,000	<1,000	<1,000	**40,600**	<400	<2,000		
	10/18/2000	--	14 J	<1	NA	NA	NA	<1	*32*	11	<1	NA	<2	<1	NA	<1	**690**	<2	<1		
	Post-Active Remedial System Operation																				
	12/19/2002	--	<15	<3	<15	<5	<5	<4	**230**	<4	<4	<15	<10	<4	<4	<4	**5,700**	<5	<4		
	5/6/2003	--	<6	<0.5	<3	<1	<1	<0.8	**180**	1 J	<0.8	<3	<2	<0.7	<0.8	<0.8	**4,800**	<1	<0.8		
	11/20/2003	--	<60	<5	<30	<10	<10	<8	**120**	<8	<8	<30	<20	<7	<8	<8	**5,900**	<10	<8		
	8/25/2004	--	<60	<5	<30	<10	<10	<8	**190**	<8	<8	<30	<20	<7	<8	<8	**9,700**	<10	<8		
	Post-Injection Monitoring																				
	3/11/2005	--	<30	<3	<15	<5	<5	<4	*52*	<4	<4	<15	<10	<4	<4	<4	**2,700**	<5	<4		
	3/11/2005 (Dup)	--	<15	<1	<8	<3	<3	<2	<60	<2	<2	<8	<5	<2	<2	<2	**2,600**	<3	<2		
	10/26/2005	--	<12	<1	<6	<2	<2	<2	*28*	<2	<2	<6	<4	<1	<2	<2	**2,100**	<2	<2		
	11/28/2006	--	<12	<1	<6	<2	<2	<2	*16*	<2	<2	<6	<4	<1	<2	<2	**1,900**	<2	<2		
	11/17/2008	--	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND		**814**	ND	ND	ND	
	10/18/2018	--	3.1 J1	<0.15	<2.1	<0.41	<0.39	<0.39	1.1	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	**79**	<0.20	0.29 J1	Dichlorodifluoromethane	0.82 J1
	4/2/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	**46**	<0.20	<0.22	ND	
	4/2/32019 (Dup)	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	**45**	<0.20	<0.22	ND	
MW-5	5/24/1989	--	NA	<10,000	<10,000	<10,000	<10,000	<10,000	NA	**43,500**	<10,000	NA	<10,000	<10,000	<10,000	<10,000	**281,000**	<10,000	<10,000		
	10/25/1989	--	NA	<5,000	<20,000	<5,000	<5,000	<10,000	NA	**41,900**	**26,600**	NA	**35,300**	**6,740**	<5,000	<5,000	**230,000**	<20,000	<10,000		
	1/11/1990	--	NA	<5,000	<20,000	<5,000	<5,000	<10,000	NA	**30,600**	<10,000	NA	<10,000	**8,590**	<5,000	<5,000	**166,000**	<20,000	<10/000		
	4/26/1990	--	NA	<10,000	<10,000	<10,000	<10,000	<10,000	NA	**74,000**	<10,000	NA	<10,000	**7,960**	<10,000	<10,000	**234,000**	<10,000	<10,000		
	7/11/1990	--	NA	<2,000	<20,000	<5,000	<5,000	<10,000	NA	**29,100**	<10,000	NA	<10,000	**10,100**	<5,000	<5,000	**744,000**	<2,000	<10,000		
	10/18/2000	--	<1,500	<250	NA	NA	NA	<250	**16,000**	<250	**3,900**	**2,300** J	<500	**17,000**	**2,400**	<250	**370,000**	NA	**16,000**		
	10/18/2018	--	4.8 J1	0.42 J1	<2.1	0.45 J1	<0.39	*1.2*	**890**	12	*330*	<2.2	<1.6	**1,200**	2.5	<0.35	**1,700**	**7.8**	*1,400*	Chlorobenzene	1.3
																				Isopropylbenzene	6.0
																				Naphthalene	*58*
																				n-Butylbenzene	3.8
																				N-Propylbenzene	5.5
																				1,1,2,2-Tetrachloroethane	**2.8**
																				Tetrachloroethene	*0.87* J1
																				Tetrahydrofuran	*11*
																				1,2,4-Trimethylbenzene	33
																				1,3,5-Trimethylbenzene	9.3
	4/2/2019	--	<8.7	<0.73	<11	<2.1	<2.0	<2.0	**940**	13	1.1 J1	<11	<8.2	<0.76	3.7 J1	<1.8	**1,500**	**1.3** J1	9.9	1,2,4,-Trimethylbenzene	3.2 J1

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330−20−7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-6	5/24/1989	--	NA	<50	<200	<50	<50	<50	NA	**164**	*166*	NA	**58.6**	*182*	*57*	<50	**53,910**	<50	*518*	
	10/24/1989	--	NA	<1,000	<4,000	<1,000	<1,000	<2,000	NA	<2,000	<2,000	NA	**9,800**	<1,000	<1,000	<1,000	**115,000**	<4,000	<2,000	
	1/10/1990	--	NA	<5,000	<20,000	<5,000	<5,000	<5,000	NA	<5,000	<10,000	NA	<10,000	<5,000	<5,000	<5,000	**108,000**	<20,000	<10,000	
	4/25/1990	--	NA	<5,000	<65,000	<5,000	<5,000	<5,000	NA	<5,000	<5,000	NA	**2,320**	<5,000	<5,000	<5,000	**102,000**	<5,000	<5,000	
	7/11/1990	--	NA	<2,000	<20,000	<5,000	<5,000	<10,000	NA	<10,000	<10,000	NA	<10,000	<5,000	<5,000	<5,000	**139,000**	<2,000	<10,000	
	10/18/2000	--	<600	<100	NA	NA	NA	<100	**1,700**	<100	<100	NA	<200	<100	NA	<100	**96,000**	NA	<100	Chlorobenzene **140**
	10/18/2018	--	<35	<2.9	<42	<8.2	<7.8	<7.8	**76**	<7.0	*250*	<43	<33	**1,000**	<7.6	<7.0	**8,600**	**11** J1	*1,000*	Chlorobenzene *29* Naphthalene *20* 1,2,4-Trimethylbenzene 15 J1
	4/3/2019	--	<35	<2.9	<42	<8.2	<7.8	<7.8	<8.2	<7.0	<3.7	<43	<33	<3.0	<7.6	<7.0	**7,800**	<4.1	<4.4	Chlorobenzene *36*
MW-7	5/25/1989	--	NA	<5	<20	<5	<5		NA	<5	<5	NA	<5	<5	<5	<5	**107**	<5	<5	
	10/24/1989	--	NA	<5	<20	<5	<5		NA	13.6	<10	NA	**68.9**	<5	<5	<5	**377**	<20	<10	
	1/9/1990	--	NA	<5	<2	<5	<5		NA	<10	<10	NA	<5	<5	<5	<5	**167**	<20	<10	
	4/24/1990	--	NA	<25	<325	<25	<25		NA	<25	<25	NA	<25	<25	<25	<25	**257**	<25	<25	
	7/11/1990	--	NA	<5	<50	<12.5	<12.5		NA	<25	<25	NA	<25	<12.5	<12.5	<12.5	**225**	<5	<25	
	10/17/2000	--	36	<1	NA	NA	NA		3 J	<1	<1	NA	<2	<1	NA	<	**330**	NA	<1	
	10/18/2018	(1)	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	0.51 J1	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	**130**	<0.20	<0.22	Tetrachloroethene *1.1*
	4/2/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	**130**	<0.20	<0.22	Tetrachloroethene *1.2*
MW-8	5/25/1989	--	NA	<250	<1,000	<250	<250	<250	NA	<250	<250	NA	<250	<250	<250	<250	**1,255**	<250	<250	
	10/24/1989	--	NA	<50	<200	<50	<50	<100	NA	<100	<100	NA	**208**	<50	<50	<50	**875**	<20	<100	
	1/9/1990	--	NA	<50	<200	<50	<50	<100	NA	<100	<100	NA	<100	<50	<50	<50	**3,660**	<200	<100	
	4/24/1990	--	NA	<125	<1,625	<125	<125	<125	NA	<125	<125	NA	<125	<125	<125	<125	**2,840**	<125	<125	
	7/8/1990	--	NA	<100	<1,000	<250	<250	<500	NA	<500	<500	NA	<500	<250	<250	<250	**7,360**	<100	<500	
	10/17/2000	--	<15	<3	NA	NA	NA	<3	<3	<3	<3	NA	<5	<3	NA	<3	**3,300**	NA	<3	Tetrachloroethene *3*
	10/17/2000 (Dup)	--	<15	<3	NA	NA	NA	<3	<3	<3	<3	NA	<5	<3	NA	<3	**3,600**	NA	<3	
	10/18/2018	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	3.6	<0.35	<0.18	<2.2	<1.6	0.15 J1	<0.38	<0.35	**240**	<0.20	<0.22	Tetrachloroethene *0.56* J1
	4/2/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	0.57 J1	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	**120**	<0.20	<0.22	Tetrachloroethene *1.0* J1
MW-9	5/25/1989	--	NA	<250	*2,080*	<250	<250	<250	NA	<250	<250	NA	**11,900**	<250	<250	<250	**36,400**	<250	<250	
	10/24/1989	--	NA	<200	<2,000	<500	<500	<1,000	NA	<1,000	<1,000	NA	**5,190**	<500	<500	<500	**6,410**	<2,000	<1,000	
	1/10/1990	--	NA	<200	<2,000	<500	<500	<1,000	NA	<1,000	<1,000	NA	<1,000	<500	<500	<500	**36,200**	<2,000	<1,000	
	4/24/1990	--	NA	<1,250	<16,250	<1,250	<1,250	<1,250	NA	**1,600**	<1,250	NA	**1,830**	<1,250	<1,250	<1,250	**107,000**	<1,250	<1,250	
	7/11/1990	--	NA	<2,000	<20,000	<5,000	<5,000	<10,000	NA	<10,000	<10,000	NA	<10,000	<5,000	<5,000	<5,000	**169,000**	<2,000	<10,000	
	10/16/2000	--	*8,200*	<100	*980*	NA	NA	**250** J	**81,000**	<100	130 J	NA	**1,800**	**880**	NA	<100	**58,000**	**180**	110 J	
	Post-Active Remedial System Operation																			
	12/19/2002	--	1,400	**5** J	<3	13	**88**	**190**	**51,000**	*31*	35	**15,000**	**2,000**	*390*	4 J	**76**	**48,000**	**260**	39	Chloroethane 3 J Carbon disulfide 8 Chloroform *4* J 1,2-Dichloropropane **9** 2-Hexanone 20
	5/8/2003	--	1,500 J	<50	<300	<100	<100	**180** J	**56,000**	<80	<80	**13,000**	**2,500**	*480* J	<80	**110** J	**55,000**	**240** J	<80	
	5/8/2003 (Dup)	--	1,600 J	<50	<300	<100	<100	**100** J	**31,000**	<80	<80	**13,000**	**2,100**	*310* J	<80	**110** J	**23,000**	**130** J	<80	
	11/19/2003	--	*5,300*	<25	<150	<50	**98** J	**170** J	**73,000**	<40	<40	**21,000**	**2,400**	*610*	<50	**170** J	**71,000**	**230** J	<40	

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330−20−7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-9 (cont.)	9/1/2004	--	*1,900* J	<50	<300	<100	**200** J	**270** J	**61,000**	<80	<80	**14,000**	**2,300**	*590*	<80	**130** J	**53,000**	**380** J	<80	
	9/1/2004 (Dup)	--	*2,200*	<50	<300	<100	**190** J	**270** J	**64,000**	<80	<80	**14,000**	**2,400**	*590*	<80	**130** J	**54,000**	**370** J	<80	
	Post-Injection Monitoring																			
	3/18/2005	--	*8,100*	<50	**4,000**	<100	<100	**170** J	**63,000**	<80	84 J	**16,000**	**2,500**	**1,300**	<80	**390** J	**89,000**	**200** J	<80	
	11/3/2005	--	**11,000** J	<500	<3,000	<1,000	<1,000	<800	**31,000**	<800	<800	**16,000**	**7,500**	**3,800** J	<800	**1,600** J	**500,000**	<1,000	<800	
	11/20/2006	--	<1,200	<100	<600	<200	<200	<160	**43,000**	<160	<160	**11,000**	**780** J	*560* J	<160	<160	**150,000**	<200	<160	
	11/25/2008	--	ND	ND	ND	ND	ND	ND	**11,800**	ND	ND	ND	**4,540**	**956**	ND		**161,000**	ND	ND	ND
	10/18/2018	--	<170	<15	<210	<41	<39	<39	**11,000**	**240**	33 J1	<220	<160	90	<38	<35	**100,000**	**150**	48 J1	ND
	4/2/2019	--	<350	<29	<420	<82	<78	<78	**11,000**	<70	<37	<430	<330	<30	<76	<70	**110,000**	<41	<44	1,2,4-Trichlorobenzene 92 J1,B
MW-10D	7/8/1989	--	NA	<5	<20	<5	<5	<5	NA	<5	<5	NA	<5	<5	<5	<5	**29**	<5	<5	
	10/23/1989	--	NA	*0.73*	<2	<0.5	<0.5	<1	NA	<1	<1	NA	<1	0.58	0.74	<0.5	**51**	<2	<1	
	1/10/1990	--	NA	<5	<10	<2.5	<2.5	<5	NA	<5	<5	NA	<5	<2.5	<2.5	<2.5	**74**	<10	<5	
	4/25/1990	--	NA	<5	<65	<5	<5	<5	NA	<5	<5	NA	<5	<5	<5	<5	**109**	<5	<5	
	7/18/1990	--	NA	<2	<20	<5	<5	<10	NA	<10	<10	NA	<10	<5	<5	<5	**368**	<2	<10	
	3/24/1993	--	NA	<10.0	NA	NA	NA	<20.0	<25.0	<25.0	<50.0	NA	<125.0	<50.0	<25.0	<25.0	**1,300**	NA	<50.0	
	6/27/1994	--	NA	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	**49**	NA	<3.0	
	7/15/1994	--	NA	<1.0	NA	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	**31**	NA	<3.0	
	6/28/1995	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	**7**	NA	<3.0	
	7/30/1996	--	<5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	*1* J,a	<0.8	<0.8	<0.8	*3*	NA	<0.5	Carbon disulfide 1
	6/18/91997	--	NA	<0.75	NA	NA	NA	<0.75	<0.5	<0.75	<0.5	NA	*1* J,a	<0.75	NA	<0.75	*2*	NA	0.5	
	6/24/1998	--	<5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	*1* J,a	<0.8	<0.8	<0.8	*0.9*	NA	<0.5	
	6/23/1999	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	*2*	NA	<0.5	
	8/25/1999	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	*1*	NA	<0.5	
	3/29/2000	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	**470**	NA	<0.5	
	10/18/200	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	**330**	NA	<1	
	10/26/2001	--	NA	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	**970**	NA	<1	
	7/25/2002[8]	--	NA	<0.5	NA	NA	NA	NA	<0.8	<0.8	<0.8	NA	NA	<0.7	NA	NA	*1* J	NA	<0.8	
	Post-Active Remedial System Operation																			
	12/17/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**12**	<1	<0.8	
	5/3/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*2* J	<1	<0.8	
	11/24/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*2* J	<1	<0.8	
	8/25/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*2* J	<1	<0.8	
	Post-Injection Monitoring																			
	3/15/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*3* J	<1	<0.8	
	10/27/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*4*	<1	<0.8	
	11/14/2006	--	16 J	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*3* J	<1	<0.8	
	11/21/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		**6.8**	ND	ND	ND
	3/2/2009	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		**10.4**	ND	ND	ND
	3/2/2009 (Dup)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	ND

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Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-11D	7/5/1989	--	NA	<5	<20	<5	<5	<5	NA	<5	<5	NA	**5.1**	14.1	<5	<5	**2,452**	<5	12.1	
	10/24/1989	--	NA	<50	<2	<50	<50	<100	NA	<50	<100	NA	**297**	<50	<50	<50	**1,310**	<200	<100	
	1/10/1990	--	NA	<50	<10	<50	<50	<100	NA	<100	<100	NA	**100**	<50	<50	<50	**827**	<200	<100	
	4/25/1990	--	NA	<50	<65	<50	<50	<50	NA	<50	<50	NA	**77.3**	<50	<50	<50	**5,880**	<50	<50	
	7/18/1990	--	NA	<100	<20	<250	<250	<500	NA	<500	<500	NA	<500	<250	<250	<250	**19,400**	<100	<500	
	3/23/1993	--	NA	<50				<100	<125	<125	<250	NA	<625	<125	<125	<125	**24,600**	NA	<250	
	6/27/1994	--	NA	**15**	NA	NA	NA	<10	*47*	<10	14	NA	<50	48	<10	<10	**850**	NA	47	
	7/15/1994	--	NA	*4.3*	NA	<1	<1	**17**	*51*	<1	3.9	NA	**13**	13	<1	**17**	**460**	NA	12	
	6/28/1995	--	NA	<50	NA	NA	NA	<100	<50	<50	<50	NA	<250	<50	<50	<1.0	**1,900**	NA	<150	
	8/5/1996	--	140 J	<31	NA	NA	NA	<31	<21	<31	<21	NA	**71** J,a	<31	<31	<31	**560**	NA	<21	
	6/18/1997	--	NA	<54	NA	NA	NA	<54	<36	*21* J	<36	NA	**93** J,a	40 J	NA	<54	**1,300**	NA	<36	
	6/24/1998	--	28 J,a	<5	NA	NA	NA	<5	<4	<5	<4	NA	*4* J,a	2 J	<5	<5	**150**	NA	<4	
	6/23/1999	--	200 a	0.3 J	NA	NA	NA	*0.7*	<62	*65*	17	NA	*2*	110	NA	<62	**2,900**	NA	70	
	8/25/1999	--	8.0	<0.5	NA	NA	*0.6*	<0.5	6	*26* J	7	NA	*1* a	36 J	NA	<0.5	**1,000**	NA	39	Carbon disulfide 0.4
	3/30/2000	--	17 J,a	<0.5	NA	NA	NA	<0.5	4 J	10	4 J	NA	*1* J	25	0.6 J	<0.5	**1,200**	NA	15	
	10/18/2000	--	24 J,a	<3	NA	NA	NA	<3	*17*	*67*	11 J	NA	<5	75	NA	<3	**2,400**	NA	46	
	10/26/2001	--	32	<1	<3	2 J	<1	<1	*19*	*69*	8	<3	**5**	65	<1	<1	**2,500**	<1	36	
	Post-Active Remedial System Operation																			
	12/17/2002	--	18 J	*1* J	<6	3 J	<2	<2	*26*	*81*	24	<6	**7** J	140	<2	<2	**3,000**	<2	100	
	5/6/2003	--	<6	<0.5	<3	1 J	<1	<0.8	6	*20*	6	<3	<2	41	<0.8	<0.8	**550**	<1	29	
	5/6/2003 (Dup)	--	<6	<0.5	<3	1 J	<1	<0.8	*7*	*21*	7	<3	<2	42	<0.8	<0.8	**460**	<1	29	
	11/24/2003	--	<6	*0.6* J	<3	1 J	<1	<0.8	*9*	*29*	9	<3	*3* J	57	<0.8	<0.8	**890**	<1	40	
	8/25/2004	--	<6	<0.5	<3	<1	<1	<0.8	1 J	3 J	2 J	<3	<2	10	<0.8	<0.8	**180**	<1	8	
	Post-Injection Monitoring																			
	3/14/2005	--	<6	<0.5	<3	<1	<1	<0.8	6	19	6	<3	<2	34	<0.8	<0.8	**710**	<1	25	
	10/28/2005	--	<30	<3	<15	<5	<5	<4	*13* J	*44*	13 J	<15	<10	77	<4	<4	**2,200**	<5	54	
	10/28/2005 (Dup)	--	<30	<3	<15	<5	<5	<4	*13* J	*43*	12 J	<15	<10	74	<4	<4	**2,200**	<5	50	
	11/14/2006	--	46 J	<3	<15	<5	<5	<4	*15* J	*49*	16 J	<15	<10	91	<4	<4	**2,300**	<5	72	
	11/22/2008	--	ND	ND	ND	ND	ND	ND	*20.6*	*70.6*	23.5	ND	ND	117	ND		**3,080**	ND	79	ND
	3/3/2009	--	ND	ND	ND	ND	ND	ND	*12.7*	*35.9*	ND	ND	**93.6**	44.1	ND		**1,270**	ND	ND	ND

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-12D	7/5/1989	--	NA	<5	<20	<5	<5	<5	NA	6.1	<5	NA	**6.1**	<5	<5	<5	**3,543**	<5	<5	
	10/24/1989	--	NA	<100	<400	<100	<100	<200	NA	<200	<200	NA	**909**	<100	<100	<100	**14,300**	<400	<200	
	1/10/1990	--	NA	<200	<2,000	<500	<500	<1,000	NA	<1,000	<1,000	NA	<1,000	<500	<500	<500	**44,200**	<2,000	<1,000	
	4/24/1990	--	NA	<2,500	<32,500	<2,500	<2,500	<2,500	NA	<2,500	<2,500	NA	**1,090**	<2,500	<2,500	<2,500	**37,700**	<2,500	<2,500	
	7/18/1990	--	NA	<400	<4,000	<1,000	<1,000	<2,000	NA	<2,000	<2,000	NA	<2,000	<1,000	<1,000	<1,000	**48,100**	<400	<2,000	
	3/24/1993	--	NA	<20.0	NA	NA	NA	<40.0	*52.4*	<50.0	<100.0	NA	<250	<50.0	<50.0	<50.0	**2,100**	NA	<100.0	
	6/27/1994	--	NA	<1.0	NA	NA	NA	<2.0	*18*	<1.0	<1.0	NA	<5.0	<1.0	<1.0	*3.8*	**1,100**	NA	<3.0	
	7/15/1994	--		<1.0	NA	1.5	<1.0	*2.2*	*34*	<1.0	<1.0	NA	<5.0	2.6	<1.0	*1.1*	**1,400**	NA	<3.0	
	6/28/1995	--	NA	<1.0	NA	NA	NA	<2.0	*20*	<1.0	<1.0	NA	<5.0	1.4	<1.0	<1.0	**63**	NA	<3.0	
	8/5/1996	--	<220	<33	NA	NA	NA	<33	*33*	<33	<22	NA	**64** J,a	<33	<33	<33	**860**	NA	<22	
	6/19/1997	--	NA	<34	NA	NA	NA	<34	<23	<34	<23	NA	**96** J,a	<34	NA	<34	<34	NA	<23	
	6/24/1998	--	<420	<62	NA	NA	NA	<62	**100**	<62	<42	NA	**44** J,a	<62	<62	<62	**1,600**	NA	<42	
	6/23/1999	--	NA	<12	NA	NA	NA	0.4 J	*23*	0.4 J	<12	NA	0.4 J	0.4 J	NA	<12	**450**	NA	0.2 J	
	8/26/1999	--	57 a	<0.5	NA	NA	NA	<0.5	*11*	1	<0.5	NA	*2* a	<0.5	NA	<0.5	**3,100**	NA	<5.0	
	3/30/2000	--	*3,500* a	<0.5	NA	NA	NA	<0.5	*21*	0.6 #	<0.5	40	<0.5	6	0.7 J	<0.5	**69**	NA	2 J	
	10/26/2001	--	*5,500*	<1.0	<3	<1.0	<1.0	<1.0	*35*	<1.0	<1.0	30	<2.0	1 J	<1.0	<1.0	**41**	<1.0	1 J	
	Post-Active Remedial System Operation																			
	12/20/2002	*Well Inaccessible - No Sample Collected*																		
MW-13C	10/17/2000	--	23	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	NA	<2.0	<1.0	NA	<1.0	<1.0	NA	<1.0	
MW-14D	11/21/1989	--	NA	<2.0	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.2	<0.2	<1.0	
	1/9/1990	--	NA	*0.71*	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	1.21	<0.5	<0.5	<0.5	<2.0	<1.0	
	4/24/1990	--	NA	<5	<65	<5	<5	<5	NA	<5	<5	NA	<5	<5	<5	<5	<5	<5	<5	
	7/18/1990	--	NA	*0.60*	3.47	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	0.90	<0.5	<0.5	<0.2	<0.2	<1.0	
	10/17/2000	--	<6	<1	NA	NA	NA	<1.0	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
MW-15	10/17/2000	--	24	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	**37**	NA	<1	
	1/5/2001	--	*2,800*	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	*1* J	NA	<1	
MW-16C	11/21/1989	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.2	<0.2	<1.0	
	1/9/1990	--	NA	<0.5	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.5	<2.0	<1.0	
	4/24/1990	--	NA	<5	<65	<5	<5	<5	NA	<5	<5	NA	<5	<5	<5	<5	<5	<5	<5	
	7/18/1990	--	NA	<0.2	2.25	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	*0.64*	<0.2	<1.0	
	10/17/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
MW-17	11/21/1989	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	*0.50*	<0.2	<1.0	
	1/9/1990	--	NA	<0.5	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.2	<2.0	<1.0	
	4/24/1990	--	NA	<5	<65	<5	<5	<5	NA	<5	<5	NA	<5	<5	<5	<5	<5	<5	<5	
	7/11/1990	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.2	<0.2	<1.0	
	10/17/2000	--	6 J,a	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	**55**	NA	<1	
	1/15/2001	--	*6,800*	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	*3* J	NA	<1	
MW-18D	10/18/2000	--	69	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-19C	11/21/1989	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	**151**	<0.5	<0.5	<0.5	0.47	<0.2	<1.0	
	1/9/1990	--	NA	<0.5	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	**57.2**	<0.5	<0.5	<0.5	<0.5	<2.0	<1.0	
	4/24/1990	--	NA	<5	<65	<5	<5	<5	NA	<5	<5	NA	**137**	<5	<5	<5	<5	<5	<5	
	7/18/1990	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	**67.6**	<0.5	<0.5	<0.5	0.47	<0.2	<1.0	
	10/19/2000	--	*3,600*	<10	NA	NA	NA	<10	**180**	<10	*150*	34 J	<20	*480*	25 J	<10	**6,800**	NA	*630*	
	10/19/2000 (Dup)	--	*3,700*	<5	NA	NA	NA	<5	**140**	<5	*140*	NA	<10	*400*	NA	<5	**4,800**	NA	*580*	
	5/1/2002[8]	--	NA	<0.5	NA	NA	NA	NA	**460**	5	<0.8	NA	NA	<0.7	NA	NA	**140**	NA	<0.8	
	Post-Active Remedial System Operation																			
	12/20/2002	--	<6	<0.5	<3	<1	<1	*1* J	**2,000**	*24*	<0.8	10 J	<2	<0.7	<.8	<0.8	*3* J	**3** J	<0.8	
	5/6/2003	--	<6	<0.5	<3	<1	<1	*1* J	**1,400**	19	<0.8	3 J	<2	<0.7	<0.8	<0.8	*3* J	**3** J	<0.8	
	11/20/2003	--	<6	<0.5	<3	<1	<1	*1* J	**1,300**	17	<0.8	<3	<2	<0.7	<0.8	<0.8	*4* J	**3** J	<0.8	
	8/25/2004	--	<12	<1	<6	<2	<2	<2	**1,400**	17	<2	<6	<4	<1	<2	<2	<2	**3** J	<2	
	Post-Injection Monitoring																			
	1/12/2005	--	<6	<0.5	<3	<1	<1	*2* J	**1,700**	*24*	<0.8	<3	<2	<0.7	<0.8	<0.8	*1* J	**4** J	<0.8	
	3/10/2005	--	<40	<10	<20	<10	<10	<10	**1,600**	*20*	<10	<20	<10	<10	<10	<10	<10	**3** J	<10	
	3/10/2005 (Dup)	--	<40	<10	<20	<10	<10	<10	**1,700**	19	<10	<20	<10	<10	<10	<10	<10	**3** J	<10	
	7/11/2005	--	<6	<0.5	<3	<1	<1	*2* J	**1,600**	*23*	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	**3** J	<0.8	
	10/24/2005	--	<12	<1	<6	<2	<2	<2	**1,800**	18	<2	<6	<4	<1	<2	<2	<2	**2** J	<2	
	2/8/2006	--	86	<1	<8	<3	<3	<2	**1,700**	*21*	<2	<8	<5	<2	<2	<2	<3	**3** J	<2	
	8/1/2006	--	11 J	<0.5	<3	<1	<1	*2* J	**1,300**	*22*	<0.8	<3	<2	<0.7	<0.8	<0.8	*3* J	**4** J	<0.8	
	11/18/2006	--	7 J	<0.5	<3	<1	<1	*1* J	**1,400**	*22*	<0.8	<3	<2	<0.7	<0.8	<0.8	*2* J	**3** J	<0.8	
	11/18/2006 (Dup)	--	8 J	<0.5	<3	<2	<1	*2* J	**1,500**	*22*	<0.8	<3	<2	<0.7	<0.8	<0.8	*2* J	**3** J	<0.8	
	2/28/2007	--	<12	<1	<6	<2	<2	*2* J	**1,600**	*22*	<2	<6	<4	<1	<2	<2	<2	**3** J	<2	
	11/22/2008	--	ND	ND	ND	ND	ND	ND	**2,920**	*42.3*	ND	ND	ND	ND	ND		**31.4**	ND	ND	ND
	2/23/2009	--	ND	*0.66*	ND	0.82	*1.0*	*4.0*	**3,000**	*37.5*	ND	2.6	ND	ND	ND		**40.3**	**13.3**	ND	ND
	10/18/2018	--	<87	<7.3	<110	<21	<20	**120**	**82,000**	**240**	<9.2	<110	<82	<7.6	<19	<18	**4,700**	**87**	<11	Dichlorodifluoromethane 35 J1
	4/3/2019	--	<87	<7.3	<110	29 J1	<20	**87**	**65,000**	**150**	<9.2	<110	<82	<7.6	<19	<18	**17** J1	**880**	<11	Naphthalene *30* J1 1,2,4-Trimethylbenzene 38 J1
MW-20C	12/1/1989	--	NA	*3.37*	<2.0	<0.5	<0.5	<1.0	NA	2.66	5.9	NA	<1.0	15.1	<0.5	<0.61	**428**	<0.2	59.8	
	1/10/1990	--	NA	<0.5	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	2.54	<0.5	<0.5	**133**	<2.0	27.5	
	4/24/1990	--	NA	<5	<65	<5	<5	*1.7*	NA	<5	<5	NA	**137**	<5	<5	<5	**126**	<5	<5	
	7/18/1990	--	NA	<2.0	<20	<5	<5	<10	NA	<10	<10	NA	<10	<5	<5	<5	**48.6**	<2.0	<10	
	10/18/2000	--	**42,000**	<10	NA	NA	NA	<10	<10	<10	<10	NA	<20	24 J	NA	<10	**530**	NA	16 J	
	10/18/2018	--	5.7	<0.15	<2.1	<0.41	<0.39	<0.39	3.7	0.70 J1	1.8	<2.2	<1.6	6.1	<0.38	<0.35	**200** F1	<0.20	8.0	ND
	4/3/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	*9.0*	1.3	1.4	<2.2	<1.6	3.2	<0.38	<0.35	**160**	<0.20	5.9	ND

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(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-21D	7/10/1990	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.2	<0.2	<1.0	
	3/25/1993	--	NA	<0.2	NA	NA	NA	<0.4	<0.5	<0.5	<1.0	NA	<2.5	<0.5	<0.5	<0.5	<0.2	NA	<1.0	
	6/27/1994	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	6/29/1995	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	7/30/1996	--	<5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	*1* J,a	<0.8	<0.8	<0.8	<0.8	NA	<0.5	
	6/19/1997	--	NA	<0.75	NA	NA	NA	<0.75	<0.5	<0.75	<0.5	NA	*1* J,a	<0.75	NA	<0.75	<0.75	NA	<0.5	
	6/25/1998	--	<5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	*0.7* J,a	<0.8	<0.8	<0.8	<0.8	NA	<0.5	
	6/23/1999	--	8 a	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	0.4 J,a	<0.5	NA	<0.5	<0.5	NA	<0.5	
	8/26/1999	--	6 a	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	*1* b	0.3 J	NA	<0.5	*0.6*	NA	<0.5	
	3/29/2000	--	8 J,a	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	
	10/16/2000	--	6 J,a	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	**13**	NA	<1	
	12/13/2000	--	9 J	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/22/2001	--	**12,000**	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	Post-Active Remedial System Operation																			
	5/7/2003	--	30	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/19/2003	--	56	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	8/31/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	Post-Injection Monitoring																			
	3/18/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/1/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/16/2006	--	72	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/18/2008	--	16.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-22C	7/17/1990	--	60	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.2	<0.2	<1.0	

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330−20−7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-23D	7/10/1990	--	NA	3.60	<2.0	<0.5	<0.5	<1.0	NA	<1.0	4.8	NA	<1.0	17.4	<0.5	<0.5	<0.2	<0.2	40.4	
	3/24/1993	--	NA	<0.2	NA	NA	NA	<0.4	<0.5	<0.5	<1.0	NA	<2.5	<0.5	<0.5	<0.5	<0.2	NA	<1.0	
	6/27/1994	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	6/29/1995	--	NA	<5.0	NA	NA	NA	<10	<5.0	<5.0	<5.0	NA	<25	<5.0	<5.0	<1.0	<5.0	NA	<15	Naphthalene 5.8
	7/30/1996	--	7 a	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	1 J,a	<0.8	<0.8	<0.8	<0.8	NA	<0.5	
	6/19/1997	--	NA	<0.75	NA	NA	NA	<0.75	<0.5	<0.75	<0.5	NA	2 J,a	<0.75	NA	<0.75	<0.75	NA	<0.5	
	6/24/1998	--	<5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	0.8 J,a	<0.8	<0.8	<0.8	<0.8	NA	<0.5	
	6/23/1999	--	7 a	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	0.3 J,a	<0.5	NA	<0.5	<0.5	NA	<0.5	
	8/25/1999	--	4 a	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	0.9 a	0.3 J	NA	<0.5	2	NA	<0.5	
	3/29/2000	--	NA	<0.5	NA	NA	NA	<0.5	<0.4	<0.5	<0.5	NA	0.9 a	0.3 J	NA	<0.5	<0.5	NA	<0.5	Chlorobenzene 0.7 a 1,4-Dichlorobenzene 0.7 a
	10/18/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/18/2000 (Dup)	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/22/201	--	18	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	Post-Active Remedial System Operation																			
	12/20/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	5/8/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	5/8/2003 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/24/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	8/30/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<	<0.8	
	Post-Injection Monitoring																			
	11/2/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/18/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/18/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
MW-24	7/10/1990	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.2	<0.2	<1.0	
	10/18/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	

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Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-25C	7/19/1990	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	**39.1**	<0.2	<1.0	
	3/25/1993	--	NA	0.3	NA	NA	NA	<0.4	0.7	<0.5	<1.0	NA	<2.5	<0.5	<0.5	<0.5	**44.2**	NA	<1.0	
	6/28/1994	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	**28**	<1.0	<1.0	<1.0	**31**	NA	<3.0	
	6/29/1995	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	**22**	NA	<3.0	
	8/5/1996	--	4 J	<0.8	NA	NA	NA	<0.8	0.4 J	<0.8	<0.5	NA	*1* J,a	<0.8	<0.8	<0.8	**13**	NA	0.3 J	
	6/19/1997	--	NA	<5	NA	NA	NA	<5	<3	<5	<3	NA	**15** J,a	<5	NA	<5	**17**	NA	<3	
	6/26/1998	--	19 a	<0.8	NA	NA	NA	<0.8	0.6	<0.8	<0.5	NA	*1* J,a	<0.8	<0.8	<0.8	**9**	NA	<0.5	
	6/23/1999	--	13 a	<0.5	NA	NA	NA	<0.5	0.4 J	<0.5	<0.5	NA	*0.6* a	<0.5	NA	*0.9*	**10**	NA	0.4 J	
	8/26/1999	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	*0.7*	0.3 J	NA	<0.5	*3*	NA	<0.5	
	3/28/2000	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	**5** J	NA	<0.5	
	10/16/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	*4* J	NA	<1	
	10/26/2001	--	140	<1	<2	<1	<1	<1	<1	<1	<1	<3	<2	<1	<1	<1	**5** J	<1	<1	
	Post-Active Remedial System Operation																			
	12/20/2002	--	1,500	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**11**	<1	<0.8	
	5/8/2003	--	10 J	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*2* J	<1	<0.8	
	11/24/2003	--	14 J	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**7**	<1	<0.8	
	9/1/2004	--	11 J	<0.5	<3	<1	<1	<0.8	<.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*2* J	<1	<0.8	
	Post-Injection Monitoring																			
	3/9/2005	--	81	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	*2* J	<5	<5	
	11/2/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/2/2005 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/17/2006	--	7 J	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/20/2008	--	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49	ND	ND	ND

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(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-26C	7/10/1990	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.2	<0.2	<1.0	
	3/25/1993	--	NA	<0.2	NA	NA	NA	<0.4	<0.5	<0.5	<1.0	NA	<2.5	<0.5	<0.5	<0.5	<0.2	NA	<1.0	
	6/28/1994	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	**8.7**	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	6/30/1995	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	7/30/1996	--	2 J,a	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	*1* J,a	<0.8	<0.8	<0.8	<0.8	NA	<0.5	
	6/20/1997	--	NA	<0.75	NA	NA	NA	<0.75	<0.5	<0.75	<0.5	NA	*1* J,a	<0.75	NA	<0.75	<0.75	NA	<0.5	
	7/29/1998	--	<5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	*0.9* J,a	<0.8	<0.8	<0.8	<0.8	NA	<0.5	
	6/23/1999	--	15 a	<0.5	NA	NA	NA	<0.5	0.3 J	<0.5	<0.5	NA	*0.6* a	<0.5	NA	*0.5*	*2*	NA	<0.5	
	8/26/1999	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	*0.6* a	0.3	NA	<0.5	<0.5	NA	<0.5	
	3/28/2000	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	
	10/16/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	**6**	NA	<1	
	12/13/2000	--	*6,700*	<1	NA	NA	NA	<1	1 J	<1	<1	NA	<2	<1	NA	<1	**8**	NA	<1	
	10/22/2001	--	*3,200*	<1	NA	NA	NA	<1	1 J	<1	<1	NA	<2	<1	NA	<1	**14**	NA	<1	
	Post-Active Remedial System Operation																			
	12/20/2002	--	440	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*4*	<1	<0.8	
	5/8/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/19/2003	--	21	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	9/1/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	Post-Injection Monitoring																			
	3/17/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	3/17/2005 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/3/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/17/2006	--	<6	<0.5	<3	<1	<	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/20/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/18/2018	--	5.8	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	0.25 J1	<0.38	<0.35	*0.84*	<0.20	<0.22	Methyl tert-butyl ether 1.0 Naphthalene 0.42 J1
	4/2/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	0.15 J1	<0.38	<0.35	*0.78*	<0.20	<0.22	ND
MW-27	7/18/1990	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<.5	<0.5	<0.5	**45.7**	<0.5	<1.0	
	10/19/2000	--	19 J,a	<3	NA	NA	NA	<3	*13*	<3	<3	NA	<5	<3	4 J	<3	**3,300**	NA	<3	

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-28D	7/19/1990	--	NA	***2.88***	<2.0	<0.5	<0.5	<1.0	NA	<1.0	3.46	NA	<1.0	12.0	<0.5	<0.5	**57.3**	<0.2	26.3	
	10/18/2000	--	130	<1	NA	NA	NA	*1* J	*27*	2 J	12	NA	<2	17	NA	<1	**780**	NA	42	
	7/25/2002[8]	--	NA	<0.5	NA	NA	NA	NA	1 J	<0.8	<0.8	NA	NA	<0.7	NA	NA	**370**	NA	<0.8	
	Post-Active Remedial System Operation																			
	12/17/2002	--	<6	<0.5	<3	<1	<1	<0.8	1 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**430**	<1	<0.8	
	5/5/2003	--	<6	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**430**	<1	<0.8	
	11/24/2003	--	8 J	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**440**	<1	<0.8	
	11/24/2003 (Dup)	--	10 J	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**430**	<1	<0.8	
	8/25/2004	--	<6	<0.5	<3	<	<1	<0.8	2 J	<0.8	<.8	<3	<2	<0.7	<0.8	<0.8	**440**	<1	<0.8	
	Post-Injection Monitoring																			
	3/14/2005	--	<6	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**380**	<1	<0.8	
	10/28/2005	--	<6	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**400**	<1	<0.8	
	11/14/2006	--	13 J	<0.5	<3	<1	<1	<0.8	2 J	0.9 J	<0.8	<3	<2	<0.7	<0.8	<0.8	**310**	<1	<0.8	
	11/22/2008	--	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND		**290**	ND	ND	ND
	3/3/2009	--	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	**11.8**	ND	ND		**284**	ND	ND	ND
	10/18/2018	--	4.6 J1	<0.15	<2.1	<0.41	<0.39	*0.77* J1	*15*	4.3	<0.18	<2.2	<1.6	0.28 J1	<0.38	<0.35	**190**	<0.20	0.93 J1	ND
	10/18/2018 (Dup)	--	<1.7	<0.15	<2.1	<0.41	<0.39	*1.1*	*15*	5.2	<0.18	<2.2	<1.6	0.18 J1	<0.38	<0.35	**150**	<0.20	<0.22	ND
	4/2/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	*0.91* J1	*19*	6.9	<0.18	<2.2	<1.6	0.16 J1	<0.38	<0.35	**200**	<0.20	<0.22	ND
	4/2/2019 (Dup	--	<1.7	<0.15	<2.1	<0.41	<0.39	*0.90* J1	*19*	6.7	<0.18	<2.2	<1.6	0.15 J1	<0.38	<0.35	**190**	<0.20	<0.22	ND
MW-29	7/19/1990	--	NA	0.30	<2.0	<0.5	<0.5	<1.0	NA	*47.8*	1.80	NA	*3.54*	2.60	<0.5	*0.83*	**735**	<0.2	12.05	
	10/18/2000	--	NA	<1	NA	NA	NA	<1	*19*	<1	5	NA	**6**	16	NA	<1	**480**	NA	24	

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-30D	7/17/1990	--	NA	**14.4**	<2.0	<0.5	<0.5	<1.0	NA	<1.0	11.9	NA	<1.0	62.0	<0.5	<0.5	**12.5**	<0.2	102.9	
	10/18/2000	--	92	<1	NA	NA	NA	<1	1 J	<1	<1	NA	<2	2 J	NA	<1	**24**	NA	1 J	
	10/18/2000 (Dup)	--	85	<1	NA	NA	NA	<1	1 J	<1	<1	NA	<2	2 J	NA	<1	**25**	NA	1 J	
	Post-Active Remedial System Operation																			
	12/20/2002	--	35	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	5/6/2003	--	20	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/20/2003	--	150	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	8/24/2004	--	6 J	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	8/24/2004 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	Post-Injection Monitoring																			
	1/13/2005	--	<6	<0.5	21	<1	<1	<0.8	1 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	3/10/2005	--	<20	<5	19	<5	<5	<5	2 J	<5	<5	<10	<5	<5	<5	<5	<5	<5	<0.8	
	7/11/2005	--	8 J	<0.5	11	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	10/24/2005	--	19 J	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	2/7/2006	--	32	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	8/1/2006	--	60	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/18/2006	--	<6	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	2/28/2007	--	<6	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/22/2008	--	10.4	ND	67.9	ND	ND	ND	*57.2*	ND	ND	ND	ND	ND	ND	NA	ND	**20.4**	ND	ND
	3/2/2009	--	11.2	ND	18.5	ND	ND	ND	3.4	ND	ND	ND	ND	ND	ND	NA	*0.96*	ND	ND	ND
	3/2/2009 (Dup)	--	ND	ND	16.2	ND	ND	ND	5.4	ND	ND	ND	ND	ND	ND	NA	*0.81*	ND	ND	ND
MW-31D	7/19/1990	--	NA	**16.2**	7.4	<0.5	<0.5	<1.0	NA	<1.0	10.5	NA	<1.0	68.1	<0.5	<0.5	**25.6**	<0.2	120.1	
	3/25/1993	--	NA	<0.2	NA	NA	NA	<0.4	<0.5	0.6	1.3	NA	<2.5	1.8	<0.5	<0.5	**103**	NA	1.7	
	6/28/1994	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	1.2	NA	**11**	1.9	<1.0	<1.0	**58**	NA	<3.0	
	6/29/1995	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	4.1	6.9	NA	<5.0	11	<1.0	<10.	**56**	NA	8.1	
	8/2/1996	--	24	<2	NA	NA	NA	<2	<2	<2	<2	NA	*3* J,a	<2	<2	<2	**39**	NA	<2	
	6/20/1997	--	NA	<54	NA	NA	NA	<54	<36	<54	<36	NA	**150** J,a	20 J	NA	<54	**1,600**	NA	21 J	
	7/29/1997	--	NA	<8	NA	NA	NA	<8	<5	<8	<5	NA	**6** J,a	3 J	NA	<8	**190**	NA	3 J	
	7/29/1998	--	<160	<2	NA	NA	NA	<2	<1	<2	<1	NA	*1* J,a	<2	<23	<2	**30**	NA	<1	
	6/22/1999	--	NA	<18	NA	NA	NA	0.4 J	3	6	8	NA	0.4 J	5	NA	<18	**360**	NA	13	
	8/26/1999	--	48 a	<0.5	NA	NA	NA	<0.5	<0.5	0.7	2	NA	*0.5*	0.9	NA	<0.5	**240**	NA	4	
	3/29/2000	--	6 J,a	<0.5	NA	NA	NA	*4* J	*25*	*67*	66	8 J	*0.71*	40	NA	<0.5	**7,800**	NA	140	
	10/16/2000	--	<60	<10	NA	NA	NA	<10	*16* J	*51*	13 J	NA	<20	12 J	NA	<10	**5,700**	NA	27 J	
	10/26/2001	--	1,200	<3	<8	<3	<3	<3	*33*	*63*	50	<8	<5	31	<3	<3	**6,800**	<3	120	
	10/26/2001 (Dup)	--	1,000	<3	<8	<3	<3	*4* J	*39*	*75*	45	6 J	<5	33	NA	<3	**7,500**	<3	100	
	5/14/2002[8]	--	NA	<0.5	NA	NA	NA	NA	<0.8	<0.8	<0.8	NA	NA	<0.7	NA	NA	**35**	NA	<0.8	
	Abandoned December 2002																			

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-32D	7/10/1990	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.2	<0.2	<1.0	
	10/16/2000	--	66	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	**6**	NA	<1	
	Post-Active Remedial System Operation																			
	12/19/2002	--	9 J	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	5/3/2003	--	<6	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*4* J	<1	<0.8	
	11/18/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/18/2003 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	8/31/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	Post-Injection Monitoring																			
	3/17/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/3/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/16/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/20/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
MW-33D	7/10/1990	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.2	<0.2	<1.0	
	3/25/1993	--	NA	<0.2	NA	NA	NA	<0.4	<0.5	<0.5	<1.0	NA	<2.5	<0.5	<0.5	<0.5	<0.2	NA	<1.0	
	6/28/1994	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	**24**	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	6/29/1995	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	8/2/1996	--	<5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	0.4 J,a	<0.8	<0.8	<0.8	<0.8	NA	<0.5	Carbon disulfide 3 a
	6/19/1997	--	NA	<0.75	NA	NA	NA	<0.75	<0.5	<0.75	<0.5	NA	*1* J,a	<0.75	NA	<0.75	<0.75	NA	<0.5	
	6/25/1998	--	<5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	*0.7* J,a	<0.8	<0.8	<0.8	<0.8	NA	<0.5	
	6/22/1999	--	0.9 a	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	*0.6* a	<0.5	NA	<0.5	*2*	NA	<0.5	
	8/26/1999	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	*0.6* a	<0.5	NA	<0.5	<0.5	NA	<0.5	
	3/28/2000	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	
	10/16/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/22/2001	--	78	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/22/2001 (Dup)	--	68	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	Post-Active Remedial System Operation																			
	12/19/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	5/8/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/18/2003	--	15 J	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	8/31/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	Post-Injection Monitoring																			
	3/17/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/3/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/16/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/20/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330−20−7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-34D	7/10/1990	--	NA	<0.2	<2.0	<0.5	<0.5	<1.0	NA	<1.0	<1.0	NA	<1.0	<0.5	<0.5	<0.5	<0.2	<0.2	<1.0	
	3/25/1993	--	NA	<0.2	NA	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	<2.5	<0.5	<0.5	<0.5	<0.2	NA	<1.0	
	6/28/1994	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	**9.9**	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	6/29/1995	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.5	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	8/2/1996	--	<5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	0.4 J	NA	*0.6* J,a	<0.8	<0.8	<0.8	<0.8	NA	3	
	6/20/1997	--	NA	<0.75	NA	NA	NA	<0.75	<0.5	<0.75	<0.5	NA	*1* J,a	<0.75	NA	<0.75	<0.75	NA	<0.5	
	6/25/1998	--	<5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	*1* J,a	0.3 J	<0.8	<0.8	<0.8	NA	<0.5	
	6/22/1999	--	1 a	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	0.4 J,a	<0.5	NA	<0.5	*0.5*	NA	<0.5	
	8/26/1999	--	3 a	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	*0.6*	<0.5	NA	<0.5	<0.5	NA	<0.5	Carbon disulfide 0.9
	3/28/2000	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	
	10/16/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/22/2001	--	NA	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	Post-Active Remedial System Operation																			
	12/20/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	5/8/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/18/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	8/31/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	Post-Injection Monitoring																			
	3/9/2005	--	<20	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	
	11/2/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/16/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/20/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
MW-35D	*Post-Active Remedial System Operation*																			
	12/17/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*3* J	<1	<0.8	
	5/7/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*2* J	<1	<0.8	
	11/20/2003	--	<0.8	<0.5	<3	<1	<1	<0.8	1 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*3* J	<1	<0.8	
	8/26/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*3* J	<1	<0.8	
	Post-Injection Monitoring																			
	3/8/2005	--	<6	<0.5	<3	<1	<1	<0.8	0.9 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**6**	<1	<0.8	
	10/31/2005	--	<6	<0.5	<3	<1	<1	<0.8	*14*	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**61**	<1	<0.8	
	8/3/2006	--	<6	<0.5	<3	<1	<1	<0.8	**90**	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**150**	<1	<0.8	
	11/20/2006	--	<6	<0.5	<3	<1	<1	<0.8	**210**	0.9 J	<0.8	<3	<2	<0.7	<0.8	<0.8	**230**	<1	<0.8	
	3/6/2007	--	<6	<0.5	<3	<1	<1	*1* J	**430**	2 J	<0.8	<3	<2	<0.7	<0.8	<0.8	**250**	<1	<0.8	
	11/24/2008	--	28.3	ND	185	ND	ND	ND	**142**	1.0	ND	ND	**8.3**	ND	ND		*2.8*	**11.2**	ND	ND
	2/20/2009	--	383	ND	612	ND	ND	ND	**313**	ND	ND	ND	**6.7**	ND	ND		*2.7*	**12.6**	ND	Methyl Chloride 2.0
	7/25/2017	--	8.0	0.24	ND	0.35	0.39	ND	0.41	**230**	ND	ND	ND	0.21	ND		ND	**0.63**	ND	Chloroethane 5.0
	7/25/2017 (Dup)	--	ND	0.35	ND	ND	ND	ND	ND	**230**	ND	ND	ND	ND	ND		ND	**0.68**	ND	Chloroethane 6.3
	10/29/2018	--	15	0.29 J1	<2.1	<0.41	<0.39	<0.39	2.0	**160**	<0.18	<2.2	<1.6	0.53	<0.38	<0.35	*0.92*	**1.3**	0.89 J1	Chloroethane 6.9 Tetrahydrofuran *26*
	4/2/2019	--	<1.7	0.33 J1	<2.1	<0.41	<0.39	<0.39	1.1	**300**	<0.18	<2.2	<1.6	0.31 J1	<0.38	<0.35	0.23 J1	**1.2**	<0.22	Chloroethane *8.4*

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-36	*Post-Active Remedial System Operation*																			
	12/18/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	12/18/2002 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	5/7/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/20/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	Post-Injection Monitoring																			
	3/8/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	10/26/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/20/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/19/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
MW-36D	*Post-Active Remedial System Operation*																			
	12/18/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	5/7/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/19/2003	--	<6	<0.5	<3	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	3 J	<1	<0.8	
	8/26/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	Post-Injection Monitoring																			
	3/8/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	10/31/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	1 J	<1	<0.8	
	11/20/2006	--	<6	<0.5	<3	<1	2 J	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**29**	<1	<0.8	
	11/19/2008	--	ND	ND	ND	ND	ND	ND	19.6	ND	ND	ND	ND	ND	ND	ND	**16.9**	ND	ND	ND
	2/19/2009	--	ND	ND	ND	ND	ND	ND	7.6	ND	ND	ND	ND	ND	ND	ND	**12.8**	ND	ND	ND
	10/29/2018	--	3.1 J1	<0.15	<2.1	<0.41	<0.39	<0.39	**81**	24	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	**32**	**17**	<0.22	Chloroethane 0.51 J1
	4/1/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	46	29	<0.18	<2.2	<0.16	<0.15	<0.38	<0.35	**15**	**9.1**	<0.22	1,2,4-Trichloroethene 0.50 J1,B
MW-37D	*Post-Active Remedial System Operation*																			
	12/20/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**7**	<1	<0.8	
	5/7/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**9**	<1	<0.8	
	11/19/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**7**	<1	<0.8	
	8/30/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**5** J	<1	<0.8	
	Post-Injection Monitoring																			
	3/10/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/1/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/20/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/19/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	Methyl chloride 0.64

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(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330−20−7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
MW-38D	*Post-Active Remedial System Operation*																			
	12/20/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	12/20/2002 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	5/7/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/19/2003	--	<6	<0.5	<3	<1	<1	<0.8	3 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**7**	<1	<0.8	
	8/30/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	8/30/2004 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	Post-Injection Monitoring																			
	3/10/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/1/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/18/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/19/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
MW-39D	*Post-Active Remedial System Operation*																			
	12/19/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**13**	<1	<0.8	
	5/3/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/19/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	8/31/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	8/31/2004 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	Post-Injection Monitoring																			
	3/17/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/3/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/17/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/20/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
	7/25/2017	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	Chloromethane 0.47

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected	
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)		
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000		
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400		
MW-40D	8/25/2004	--	<30	<3	<15	<5	<5	<4	**1,300**	5 J	<4	<15	<10	<4	<4	<4	**5,500**	<5	<4		
	Post-Injection Monitoring																				
	1/12/2005	--	<15	<1	<8	<3	<3	**8** J	**3,300**	7 J	<2	<8	<5	<2	<2	<2	**2,200**	<3	<2		
	3/8/2005	--	<30	<3	<15	<5	<5	**7** J	**4,200**	10 J	<4	<15	<10	<4	<4	<4	**2,700**	<5	<4		
	7/14/2005	--	<12	<1	<6	<2	<2	**9** J	**5,700**	12	<8	<6	<4	<1	<2	<2	**3,500**	**3** J	<2		
	10/31/2005	--	<60	<5	<30	<10	<10	**11** J	**6,900**	*23* J	<8	<30	<20	<7	<8	<8	**3,900**	<10	<8		
	2/9/2006	--	<60	<5	440	<10	<10	**13** J	**8,400**	*20* J	<8	<30	<20	<7	<8	<8	**3,800**	<10	<8		
	2/9/2006 (Dup)	--	<60	<5	440	<10	<10	**13** J	**8,800**	19 J	<4	<30	<20	<7	<8	<8	**3,900**	<10	<8		
	8/3/2006	--	<30	<3	<15	<5	<5	**10** J	**6,200**	19 J	<4	<15	<10	<4	<4	<4	**4,700**	**6** J	<4		
	8/3/2006 (Dup)	--	<30	<3	<15	<5	<5	**10** J	**6,100**	18 J	<4	<15	<10	<4	<4	<4	**4,500**	**6** J	<4		
	11/21/2006	--	<30	<3	<15	<5	<5	**10** J	**5,900**	*23* J	<4	<15	<10	<4	<4	<4	**4,900**	**26**	<4		
	11/21/2006 (Dup)	--	<30	<3	<15	<5	<5	**10** J	**5,700**	*23* J	<4	<15	<10	<4	<4	<4	**4,700**	**27**	<4		
	3/6/2007	--	<30	<3	<15	<5	<5	**9** J	**4,700**	17 J	<4	<15	<10	<4	<4	<4	**3,500**	**90**	<4		
	3/6/2007 (Dup)	--	<30	<3	<15	<5	<5	**8** J	**4,700**	17 J	<4	<15	<10	<4	<4	<4	**3,500**	**92**	<4		
	11/24/2008	--	ND	ND	ND	ND	ND	ND	*63.9*	0.56	ND	ND	ND	ND	ND	ND	**79.7**	**6.3**	ND	Methyl chloride	0.83
	2/20/2009	--	ND	ND	ND	ND	ND	ND	**73.9**	1.6	ND	ND	ND	ND	ND	ND	**76.5**	**14.2**	ND	ND	
	7/25/2017	--	13	0.36	ND	0.76	ND	*4.3*	**4,100**	**320**	ND	ND	ND	ND	ND	ND	**980**	**780**	ND	Chloroethane	76
	7/25/2017 (Dup)	--	ND	ND	ND	ND	ND	ND	**3,900**	**270**	ND	ND	ND	ND	ND	ND	**910**	**750**	ND	Chloroethane	62
	10/29/2018	--	<8.7	<0.73	<11	<2.1	<2.0	<2.0	**2,400**	*70*	<0.92	<11	<8.2	0.87 J1	<1.9	<1.8	**1,500**	**210**	1.1 J1	Chloroethane Tetrahydrofuran	4.5 J1 *13* J1
	4/2/2019	--	<8.7	<0.73	<11	<2.1	<2.0	<2.0	**1,500**	*28*	<0.92	<11	<8.2	<0.76	<1.9	<1.8	**1,300**	**67**	<1.1	ND	
MW-41D	8/30/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**26**	<1	<0.8		
	Post-Injection Monitoring																				
	1/12/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**61**	<1	<0.8		
	3/9/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**85**	<1	<0.8		
	7/13/2005	--	<6	<0.5	10	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**130**	<1	<0.8		
	11/1/2005	--	<6	<0.5	<3	<1	<1	<0.8	1 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**160**	<1	<0.8		
	11/1/2005 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	1 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**160**	<1	<0.8		
	2/9/2006	--	6 J	<0.5	14	<1	<1	<0.8	*29*	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**84**	<1	<0.8		
	8/3/2006	--	17 J	<0.5	51	<1	<1	<0.8	*12*	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**5**	<1	<0.8		
	11/21/2006	--	41	<0.5	<3	<1	<1	<0.8	*11*	<0.8	<0.8	<3	<2	7	<0.8	<0.8	**5**	<1	<0.8		
	3/6/2007	--	52	<0.5	170	<1	<1	<0.8	*8*	<0.8	<0.8	<3	<2	49	<0.8	<0.8	*2*	<1	<0.8		
	11/19/2008	--	ND	ND	ND	ND	ND	ND	*60.1*	3.4	ND	ND	ND	ND	ND	ND	*4.7*	ND	ND	ND	
	2/19/2009	--	ND	ND	ND	ND	ND	ND	**99.5**	4.6	ND	ND	ND	ND	ND	ND	**7.1**	ND	ND	ND	
	2/19/2009 (Dup)	--	ND	ND	ND	ND	ND	ND	**95.7**	4.5	ND	ND	ND	ND	ND	ND	**6.9**	ND	ND	ND	

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected	
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)		
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000		
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400		
MW-42D	8/30/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**43**	<1	<0.8		
	Post-Injection Monitoring																				
	1/12/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**39**	<1	<0.8		
	3/9/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**35**	<1	<0.8		
	7/13/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**17**	<1	<0.8		
	7/13/2005 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**17**	<1	<0.8		
	11/1/2005	--	<6	<0.5	4 J	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**13**	<1	<0.8		
	2/8/2006	--	<6	<0.5	11	<1	<1	<0.8	5	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**6**	<1	<0.8		
	8/3/2006	--	<6	<0.5	21	<1	<1	<0.8	*7*	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*2* J	<1	<0.8		
	11/21/2006	--	<6	<0.5	<3	<1	<1	<0.8	*9*	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**11**	<1	<0.8		
	3/2/2007	--	<6	<0.5	<3	<1	<1	<0.8	4 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*4*	<1	<0.8		
	11/19/2008	--	ND	ND	ND	ND	ND	ND	0.35	ND	ND	ND	ND	ND	ND	ND	*0.73*	ND	ND	ND	
MW-43D	8/23/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**13**	<1	<0.8		
	Post-Injection Monitoring																				
	3/14/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8		
	3/14/2005 (Dup)	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8		
	10/28/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8		
	11/14/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8		
	11/18/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**16.4**	ND	ND	ND	*0.74*	ND	ND	ND	
	10/29/2018	(2)	<3.5	<0.29	<4.2	<0.82	<0.78	<0.78	<0.82	<0.70	<0.37	<4.3	<3.3	<0.30	<0.76	<0.70	**880**	<0.41	<0.44	ND	
	4/3/2019	--	<3.5	<0.29	<4.2	<0.82	<0.78	<0.78	<0.82	<0.70	<0.37	<4.3	<3.3	<0.30	<0.76	<0.70	**880**	<0.41	<0.44	ND	
MW-44D	11/24/2008	--	110	ND	250	ND	ND	ND	*23.8*	ND	ND	ND	ND	ND	ND	ND	**11.0**	ND	ND	Carbon disulfide Methyl Chloride	0.52 2.5
	2/20/2009	--	136	ND	498	ND	ND	ND	**83.5**	ND	ND	ND	*2.7*	ND	ND	ND	**15.1**	ND	ND	Methyl Chloride	2.2
	10/29/2018	--	4.3 J1	0.32 J1	<4.2	<0.82	<0.78	*2.3*	**1,100**	*94*	<0.37	<4.3	*4.2* J1	<0.30	<0.76	<0.70	**16**	**450**	<0.44	Chloroethane	1.6 J1
	10/29/2018 (Dup)	--	<3.5	<0.29	<4.2	<0.82	<0.78	*1.9* J1	**1,000**	*91*	<0.37	<4.3	<3.3	<0.30	<0.76	<0.70	**17**	**480**	<0.44	ND	
	4/1/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	*51*	*30*	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	<0.16	**20**	<0.22	1,2,4-Trichlorobenzene	0.41 J1,B
MW-45D	11/18/2008	--	ND	ND	ND	ND	ND	ND	*18.6*	ND	ND	ND	ND	ND	ND	ND	**66.9**	ND	ND	ND	
	2/19/2009	--	ND	ND	ND	ND	ND	ND	*54.4*	ND	ND	ND	ND	ND	ND	ND	**59.1**	ND	ND	ND	
	10/29/2018	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	*38*	1.5	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	**36**	**1.4**	<0.22	ND	
	4/1/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	**170**	16	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	**200**	**9.4**	<0.22	1,2,4-Trichlorobenzene	0.44 J1,B
MW-46D	11/18/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	10/29/2018	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	0.30 J1	**0.30** J1	<0.22	ND	
	4/1/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	<0.16	<0.20	<0.22	ND	

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(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
Inj-1	8/23/2004	--	<60	<5	<30	<10	<10	<8	**510**	<8	<8	<30	<20	<7	<8	<8	**3,100**	<10	<8	
	Post-Injection Monitoring																			
	1/11/2005	--	110	<3	490	<5	<5	<4	**490**	<4	<4	<15	<10	<4	<4	<4	**110**	<5	<4	
	1/11/2005 (Dup)	--	110 J	<5	530	<10	<10	<8	**470**	<8	<8	<30	<20	<7	<8	<8	**110**	<10	<8	
	3/11/2005	--	<120	<10	*830*	<20	<20	<16	**410**	<16	<16	<60	<40	<14	<16	<16	**39** J	<20	<16	
	7/12/2005	--	44	<0.5	790	<1	<1	*3* J	**1,100**	1 J	<0.8	<3	<2	<0.7	<0.8	<0.8	**53**	**3** J	<0.8	
	7/12/2005 (Dup)	--	49	<0.5	*800*	<1	<1	*3* J	**1,100**	1 J	<0.8	<3	<2	<0.7	<0.8	<0.8	**53**	**3** J	<0.8	
	10/26/2005	--	67	<1	*810*	<2	<2	*6* J	**2,600**	2 J	<2	<6	<4	<1	<2	<2	**18**	**8** J	<2	
	2/7/2006	--	180	<3	*1,100*	<5	<5	*5* J	**3,000**	<4	<4	<15	<10	<4	<4	<4	**10** J	**14** J	<4	
	8/4/2006	--	260	<1	<8	<3	<3	*6* J	**3,600**	14	<2	<8	<5	<2	<2	<2	**10** J	**97**	<2	
	11/28/2006	--	56 J	*4* J	77	<5	<5	<4	**1,200**	18 J	4 J	<15	<10	<4	<4	<4	<5	**65**	<4	
	2/28/2007	--	63	<0.5	60	<1	<1	*1* J	**490**	*90*	<0.8	4 J	<2	1 J	<0.8	<0.8	<1	**55**	<0.8	
	2/23/2009	--	ND	ND	ND	ND	ND	ND	0.86	0.50	ND	ND	ND	ND	ND	ND	0.41	ND	ND	ND
	3/2/2009	--	199	ND	351	ND	ND	ND	**1,150**	2.4	ND	ND	**10.3**	1.2	ND	ND	*1.0*	**16.4**	ND	ND
Inj-2	8/24/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**11**	<1	<0.8	
	Post-Injection Monitoring																			
	1/12/2005	--	<15	<1	<8	<3	<3	<2	<2	<2	<2	<8	<5	<2	<2	<2	<3	<3	<2	
	3/15/2005	--	19 J	<0.5	8 J	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	7/14/2005	--	<60	<5	270	<10	<10	<8	<8	<8	<8	<30	<20	**6,400**	<8	<8	**12** J	<10	<8	
	10/27/2005	--	<60	<5	160	<10	<10	<8	<8	<8	<8	<30	<20	**4,600**	<8	<8	<10	<10	<8	
	2/9/2006	--	45 J	<3	140	<5	<5	<4	<4	<4	<4	<15	<10	**2,700**	<4	<4	<5	<5	<4	
	11/29/2006	--	<6	<0.5	<3	<1	<1	<0.8	5	<0.8	<0.8	<3	<2	2 J	<0.8	<0.8	<1	<1	<0.8	
	11/24/2008	--	ND	ND	ND	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inj-3	8/24/2004	--	<6	<0.5	<3	<1	<1	<0.8	*11*	0.9 J	<0.8	<3	<2	<0.7	<0.8	<0.8	**26**	<1	<0.8	
	Post-Injection Monitoring																			
	1/12/2005	--	<60	<5	*1,700*	<10	<10	<8	<8	<8	<8	<30	<20	<7	<8	<8	<10	<10	<8	
	3/11/2005	--	<120	<10	*1,400*	<20	<20	<16	<16	<16	<16	<60	<40	<14	<16	<16	<20	<20	<16	
	7/13/2005	--	43	<0.5	610	<1	<1	<0.8	2 J	<0.8	<0.8	<3	<2	1 J	<0.8	<0.8	*2* J	<1	<0.8	
	10/27/2005	--	<600	<50	*860* J	<100	<100	<80	<80	<80	<80	<300	<200	<70	<80	<80	<100	<100	<80	
	2/8/2006	--	78	<0.5	320	<1	<1	<0.8	4 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*4* J	<1	<0.8	
	8/2/2006	--	9 J	<0.5	7 J	<1	<1	<0.8	*12*	<0.8	<0.8	<3	<2	1 J	<0.8	<0.8	**5**	<1	<0.8	
	11/30/2006	--	7 J	<0.5	<3	<1	<1	<0.8	*9*	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	3/2/2007	--	18	<0.5	6 J	<1	<1	<0.8	*18*	<0.8	<0.8	<3	<2	1 J	<0.8	<0.8	**25**	<1	<0.8	
	11/24/2008	--	ND	ND	ND	ND	ND	ND	3.2	0.7	ND	ND	ND	ND	ND	ND	*1.2*	**0.89**	ND	ND

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330−20−7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
Inj-4	8/24/2004	--	<6	<0.5	<3	<1	<1	<0.8	*30*	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**46**	<1	<0.8	
	Post-Injection Monitoring																			
	1/12/2005	--	93 J	<5	700	<10	<10	<8	<8	<8	<8	<30	<20	<7	<8	<8	**12** J	<10	<8	
	7/13/2005	--	96	<0.5	*870*	<1	<1	<0.8	**86**	2 J	<0.8	<3	<2	<0.7	<0.8	<0.8	**100**	<1	<0.8	
	10/26/2005	--	140	<3	740	<5	<5	<4	**160**	<4	<4	<15	<10	<4	<4	<4	**19** J	<5	<4	
	2/8/2006	--	90 J	<5	260	<10	<10	<8	**450**	<8	<8	<30	<20	<7	<8	<8	**15** J	<10	<8	
	8/2/2006	--	71	<0.5	130	<1	<1	<0.8	**400**	7	<0.8	<3	<2	1 J	<0.8	<0.8	**26**	**3** J	<0.8	
	11/28/2006	--	31 J	<1	44	<2	<2	<2	**640**	9 J	<2	<6	<4	<1	<2	<2	**77**	<2	<2	
	11/28/2006 (Dup)	--	33	<0.5	49	<1	<1	*1* J	**740**	12	<0.8	<3	<2	0.8 J	<0.8	<0.8	**110**	**3** J	<0.8	
	3/2/2007	--	42	<0.5	59	<1	<1	*2* J	**490**	9	<0.8	<3	<2	<0.7	<0.8	<0.8	**150**	**2** J	<0.8	
	2/23/2009	--	109	ND	358	ND	ND	ND	*12.3*	ND	ND	ND	**7.2**	ND	ND	ND	ND	ND	ND	ND
Inj-5	8/23/2004	--	<120	<10	<60	<20	<20	<16	**610**	<16	<16	<60	<40	<14	<16	<16	**7,200**	<20	<16	
	Post-Injection Monitoring																			
	1/11/2005	--	160	<3	290	<5	<5	<4	6 J	<4	<4	<15	<10	<4	<4	<4	**6** J	<5	<4	
	3/11/2005	--	330 J	<10	650	<20	<20	<16	*19* J	<16	<16	<60	<40	<14	<16	<16	**25** J	<20	<16	
	7/12/2005	--	91	<0.5	*1,100*	<1	<1	<0.8	*37*	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**30**	<1	<0.8	
	10/27/2005	--	96	<0.5	550	<1	<1	*1* J	**820**	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**100**	**3** J	<0.8	
	10/27/2005 (Dup)	--	<600	<50	450 J	<100	<100	<80	**690**	<80	<80	<300	<200	<70	<80	<80	<100	<100	<80	
	2/8/2006	--	210	<1	790	<3	<3	*5* J	**2,400**	<2	<2	<8	<5	<2	<2	<2	**120**	**8** J	<2	
	2/8/2006 (Dup)	--	190	<1	760	<30	<3	*6* J	**2,400**	<2	<2	<8	<5	<2	<2	<2	**120**	**8** J	<2	
	8/2/2006	--	56	*0.7* J	790 J	2 J	*1* J	**35**	**20,000**	*45*	<0.8	*66*	<2	<0.7	<0.8	*1* J	**48**	**65**	<0.8	
	8/2/2006 (Dup)	--	31	*0.6* J	770 J	2 J	*1* J	**31**	**19,000**	*37*	<0.8	*64*	<2	<0.7	<0.8	*1* J	**44**	**58**	<0.8	
	11/30/2006	--	<300	<25	<150	<50	<50	<40	**29,000**	<40	<40	<150	<100	<35	<40	<40	<50	**80** J	<40	
	3/1/2007	--	<120	<10	63 J	<20	<20	**31** J	**25,000**	*28* J	<16	*63* J	<40	<14	<16	<16	<20	**60** J	<16	
	11/25/2008	--	ND	ND	ND	ND	ND	ND	**509**	ND	ND	ND	**42.7**	ND	ND	ND	ND	**25.6**	ND	ND
	3/2/2009	--	169	ND	167	ND	ND	ND	**2,900**	8.8	ND	ND	**27.6**	ND	ND	ND	**7.8**	**37.3**	ND	ND
INJ-6	2/20/2009	--	145	ND	97.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INJ-8	3/3/2009	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INJ-9	11/25/2008	--	ND	ND	ND	ND	ND	ND	*35.2*	ND	ND	ND	**10.9**	ND	ND	ND	**129**	ND	ND	ND
	3/3/2009	--	99.9	ND	262	1.5	ND	*1.1*	**584**	6.7	ND	ND	**10.5**	1.4	ND	ND	**146**	**6.6**	ND	ND
PW-16	10/18/2018	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	0.21 J1	<0.20	<0.22	ND
	4/2/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	<0.16	<0.20	<0.22	ND
TW-1	10/18/2000	--	10 J,a	<1	NA	NA	NA	<1	<1	<1	5 J	NA	<2	24	NA	<1	<1	NA	19	

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
RW-1	12/20/2002	*Well Inaccessible - No Sample Collected*																		
	5/6/2003	--	<6	<0.5	<3	<1	*2* J	*2* J	**260**	2 J	<0.8	<3	<2	<0.7	<0.8	<0.8	**430**	<1	<0.8	
	11/20/2003	--	<6	<0.5	<3	<1	**34**	*2* J	**570**	3 J	<0.8	<3	*2* J	<0.7	<0.8	<0.8	**330**	**1** J	<0.8	
	8/30/2004	--	<6	<0.5	<3	<1	**6**	*1* J	**300**	11	<0.8	<3	<2	<0.7	<0.8	<0.8	**930**	<1	<0.8	
	Post-Injection Monitoring																			
	1/13/2005	--	<120	<10	*2,200*	<20	<20	<16	<16	<16	<16	<60	<40	<14	<16	<16	<20	<20	<16	
	1/13/2005 (Dup)	--	<120	<10	*2,100*	<20	<20	<16	**73** J	<16	<16	<60	<40	<14	<16	<16	**49** J	<20	<16	
	3/11/2005	--	510	<10	**11,000**	<20	<20	<16	<16	<16	<16	<60	<10	<14	<16	<16	<20	<20	<16	
	7/12/2005	--	400 J	<13	**8,700**	<25	<25	<20	<20	<20	<20	<75	<50	<18	<20	<20	<25	<25	<20	
	10/26/2005	--	520	<3	**12,000**	<5	<5	<4	*12* J	<4	<4	<15	<10	<4	<4	<4	<5	<5	<4	
	2/7/2006	--	580	<1	**10,000**	<3	<3	<2	*36*	<2	<2	<8	<5	<2	<2	<2	<3	<3	<2	
	8/4/2006	--	660	<1	**7,800**	<2	<2	<2	<2	<2	<2	<6	<4	13	<2	<2	<2	<2	<2	
	11/28/2006	--	15 J	<0.5	5 J	<1	<1	<0.8	**110**	<0.8	<0.8	<3	<2	54	<0.8	<0.8	<1	**1** J	<0.8	
	3/1/2007	--	24	<0.5	21	<1	<1	<0.8	**240**	<0.8	<0.8	<3	<2	37	<0.8	<0.8	<1	**10**	<0.8	
	11/21/2008	--	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	0.64	ND	ND	ND	**0.64**	ND	ND
RW-2	*Post-Active Remedial System Operation*																			
	12/19/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	5/8/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	*2* J	<1	<0.8	
	11/19/2003	--	<6	<0.5	<3	<0.8	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	9/1/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	16	<0.8	<0.8	<1	<1	<0.8	
	Post-Injection Monitoring																			
	3/17/2005	--	<6	<0.5	<3	<1	<1	<0.8	0.8 J	<0.8	<0.8	<3	<2	3 J	<0.8	<0.8	<1	<1	<0.8	
	11/2/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	8	<0.8	<0.8	<1	<1	<0.8	
	11/17/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	5 J	<0.8	<0.8	<1	<1	<0.8	
	11/21/2008	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Equip Blank	3/23/1993	--	NA	<0.2	NA	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	<2.5	<0.5	<0.5	<0.5	<0.2	NA	<1.0	
	3/24/1993	--	NA	<0.2	NA	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	<2.5	<0.5	<0.5	<0.5	<0.2	NA	<1.0	
	3/25/1993	--	NA	<0.2	NA	NA	NA	<0.5	<0.5	<0.5	<1.0	NA	<2.5	<0.5	<0.5	<0.5	<0.2	NA	<1.0	
	6/27/1994	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	6/28/1994	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	**47**	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	6/28/1995	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	6/29/1995	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	6/30/1995	--	NA	<1.0	NA	NA	NA	<2.0	<1.0	<1.0	<1.0	NA	<5.0	<1.0	<1.0	<1.0	<1.0	NA	<3.0	
	7/30/1996	--	2 J	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	*0.6* J	<0.8	<0.8	<0.8	<0.8	NA	<0.5	
	8/2/1996	--	<0.5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	*0.9* J	0.3 J	<0.8	<0.8	0.4 J	NA	<0.5	
	8/5/1996	--	<0.5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	*2* J	<0.8	<0.8	<0.8	<0.75	NA	<0.5	

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CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330−20−7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
Equip Blank	6/20/1997	--	NA	<0.75	NA	NA	NA	<0.75	<0.5	<0.75	<0.5	NA	2 J	<0.75	NA	<0.75	<0.8	NA	<0.5	
(cont.)	6/24/1998	--	<5	<0..8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	0.9 J	<0.8	<0.8	<0.8	<0.8	NA	<0.5	
	6/25/1998	--	<5	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	0.6 J	<0.8	<0.8	<0.8	<0.8	NA	<0.5	
	6/26/1998	--	NA	<0.8	NA	NA	NA	<0.8	<0.5	<0.8	<0.5	NA	0.7 J	<0.8	NA	<0.8	<0.8	NA	<0.5	
	7/29/1998	--	4	<.8	NA	NA	NA	<0.8	<0.5	<.8	<0.5	NA	4 J	<0.8	NA	<0.8	<0.5	NA	<0.5	
	6/22/1999	--	6	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	3	0.3 J	NA	<0.5	<0.5	NA	<0.5	
	6/23/1999	--	2	<0.5	NA	NA	NA	0.8	<0.5	<0.5	<0.5	NA	1	<0.5	NA	<0.5	0.3	NA	<0.5	
	8/25/1999	--	2	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	2	<0.5	NA	<0.5	<6	NA	<0.5	
	8/26/1999	--	46	<6	NA	NA	NA	<6	<6	<5	<6	NA	**62**	<6	NA	<6	<0.5	NA	<6	
	3/30/2000	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	<1	NA	<0.5	
	10/16/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/17/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/18/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/19/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	1/5/2001	--	NA	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/22/2001	--	NA	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/26/2001	--	<3	<1	<3	NA	NA	<1	<1	<1	<1	<3	<2	<1	NA	<1	<1	<1	<1	
	5/6/2003	--	21	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	2 J	<1	<0.8	
	5/7/2003	--	28	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	5/8/2003	--	28	<0.5	4 J	<1	<1	<0.8	3 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**12**	<1	<0.8	
	11/18/2003	--	150	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/19/2003	--	<6	<0.5	<3	<1	<8	<0.8	2 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**8**	<1	<0.8	
	8/31/2004	--	32	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	9/1/2004	--	74	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	3/10/2005	--	31	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	3/11/2005	--	7 J	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	3/14/2005	--	17 J	<0.5	4 J	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	3/17/2005	--	13 J	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	1 J	<0.8	<0.8	<1	<1	<0.8	
	7/13/2005	--	49	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	1 J	<0.8	<0.8	<1	<1	<0.8	
	10/26/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	10/27/2005	--	92	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	10/31/2005	--	100	<0.5	<3	<1	<1	<0.8	1 J	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	3 J	<1	<0.8	
	11/2/2005	--	34	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/3/2005	--	42	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	**5** J	<1	<0.8	
	11/14/2006	--	43	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	1 J	<1	<0.8	
	11/18/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/21/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	11/28/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	2/28/2007	--	26	<0.5	5	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	
	3/6/2007	--	<6	<0.5	19	<1	<1	<0.8	<0.8	<0.8	<0.8	16	<2	<0.7	<0.8	<0.8	<1	<1	<0.8	

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330-20-7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
01FB	4/2/2019	(8)	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	0.15 J1	<0.38	<0.35	0.27 J1	<0.20	<0.22	ND
02FB	4/3/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	0.16 J1	<0.38	<0.35	0.22 J1	<0.20	<0.22	ND
Trip Blank	6/22/1999	--	NA	<0.5	NA	NA	NA	<.5	<0.5	<0.5	<0.5	NA	0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	
	6/23/1999	--	NA	<0.5	NA	NA	NA	1	<0.5	<0.5	<0.5	NA	0.6	<0.5	NA	<0.5	<0.5	NA	<0.5	
	8/25/1999	--	NA	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	0.8	<0.5	NA	<0.5	<0.5	NA	<0.5	
	8/26/1999	--	<5	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	0.8	<0.5	<0.8	<0.5	0.3 J	NA	<0.5	
	3/30/2000	--	<6	<0.5	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	
	10/17/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/19/2000	--	<6	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	1/5/2001	--	3 J	<1	NA	NA	NA	<1	<1	<1	<1	NA	<2	<1	NA	<1	<1	NA	<1	
	10/22/2001	--	NA	<1	NA	NA	NA	<1	<1	<1	<1	NA	<	<1	2	<1	<1	NA	<1	
	10/26/2001	--	<3	<1	<3	<1	<1	<1	<1	<1	<1	<3	<2	<1	<1	<1	<1	<1	<1	
	12/18/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	12/20/2002	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	5/9/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	11/22/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<0.8	<1	<0.8	
	11/26/2003	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	8/24/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	8/27/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	8/26/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	8/31/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	9/1/2004	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	3/10/2005	--	<20	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	
	3/11/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	3/14/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	3/17/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	7/13/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	10/26/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	10/27/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	10/28/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	10/31/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	11/2/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	11/3/2005	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	11/17/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	11/22/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	11/29/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	12/1/2006	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	3/6/2007	--	<6	<0.5	<3	<1	<1	<0.8	<0.8	<0.8	<0.8	<3	<2	<0.7	<0.08	<0.08	<1	<1	<0.8	
	10/18/2018	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	<0.16	<0.20	<0.22	ND
	10/29/2018	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	<0.16	<0.20	<0.22	ND
	4/2/2019	--	<1.7	<0.15	<2.1	<0.41	<0.39	<0.39	<0.41	<0.35	<0.18	<2.2	<1.6	<0.15	<0.38	<0.35	<0.16	<0.20	<0.22	ND

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected	
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330−20−7 (See Notes)		
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000		
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400		
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	n-Butylbenzene	NE
																				Carbon disulfide	1,000
																				Chlorobenzene	100
																				Chloroethane	400
																				Chloroform	6
																				1,4-Dichlorobenzene	75
																				Dichlorodifluoromethane	1,000
																				1,2-Dichloropropane	5
																				2-Hexanone	NE
																				Isopropylbenzene	NE
																				Methyl chloride	30
																				Methyl tert-butyl ether	60
																				Naphthalene	100
																				n-Propylbenzene	NE
																				Tetrachloroethene	5
																				1,1,2,2-Tetrachloroethane	0.2
																				Tetrahydrofuran	50
																				Trimethylbenzenes (1,2,4- ar	480
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	n-Butylbenzene	NE
																				Carbon disulfide	200
																				Chlorobenzene	20
																				Chloroethane	80
																				Chloroform	0.6
																				1,4-Dichlorobenzene	15
																				Dichlorodifluoromethane	200
																				1,2-Dichloropropane	0.5
																				2-Hexanone	NE
																				Isopropylbenzene	NE
																				Methyl chloride	3
																				Methyl tert-butyl ether	12
																				Naphthalene	12
																				n-Propylbenzene	NE
																				Tetrachloroethene	0.5
																				1,1,2,2-Tetrachloroethane	0.02
																				Tetrahydrofuran	10
																				Trimethylbenzenes (1,2,4- and 1,3,5-)	96

Table 1. Groundwater Analytical Results Summary - VOCs
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	Acetone	Benzene	Methyl ethyl ketone (MEK)	1,1-Dichloroethane (DCA)	1,2-Dichloroethane (DCA)	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Ethylbenzene	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Toluene	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane (TCA)	Trichloroethene (TCE)	Vinyl Chloride	Xylenes	Other Detected
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330−20−7 (See Notes)	
NR 140 Enforcement Standards			9,000	5	4,000	850	5	7	70	100	700	500	5	800	200	5	5	0.2	2,000	
NR 140 Preventive Action Limits			1,800	0.5	800	85	0.5	0.7	7	20	140	50	0.5	160	40	0.5	0.5	0.02	400	
CAS No.			67-64-1	71-43-2	78-93-3	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5	100-41-4	108-10-1	75-09-2	108-88-3	71-55-6	79-00-5	79-01-6	75-01-4	1330−20−7 (See Notes)	n-Butylbenzene 104-51-8 Carbon disulfide 75-15-0 Chlorobenzene 108-90-7 Chloroethane 75-00-3 Chloroform 67-66-3 1,4-Dichlorobenzene 106-46-7 Dichlorodifluoromethane 75-71-8 1,2-Dichloropropane 78-87-5 2-Hexanone 591-78-6 Isopropylbenzene 98-82-8 Methyl chloride 74-87-3 Methyl tert-butyl ether 1634-04-4 Naphthalene 91-20-3 n-Propylbenzene 103-65-1 Tetrachloroethene 127-18-4 1,1,2,2-Tetrachloroethane 79-34-5 Tetrahydrofuran 109-99-9 1,2,4-Trimethylbenzene 95-93-6 1,3,5-Trimethylbenzene 108-67-8

Abbreviations:
µg/ L = micrograms per liter or parts per billion (ppb) (Dup) = Duplicate Sample VOCs = Volatile Organic Compounds NA = Compound Not Analyzed ND = Compound Not Detected NE = No Standard Established

Notes:
NR 140 Enforcement Standards - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.
NR 140 Preventive Action Limits - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.
Bold+underlined values meet or exceed NR 140 enforcement standards.
Italic+underlined values meet or exceed NR 140 preventive action limits.

(1) All data presented for sample dates before 2002 were obtained from Leggette, Brashears & Grahm, Inc. data tables provided in their 2002 Keck Farm O&M report. GZA reviewed laboratory data sheets to verify the results for accuracy.
(2) GZA collected groundwater samples after 2001 utilizing low-flow sampling techniques and samples were analyzed by Lancaster Laboratories, Inc. of Lancaster, PA in accordance with USEPA Method 8260. Results are presented in µg/L.
(3) Carbon disulfide was reported for a field blank at 3 µg/L in August 1996.
(4) Chlorobenzene was reported at 0.7[Q] µg/L in a field blank in March 2000.
(5) Results are from the final samples collected during the time-sequence sampling event performed between April and July 2002.
(6) The remedial system consisting of groundwater extraction and treatment and soil vapor extraction was discontinued on October 1, 2002.
(7) Carbon disulfide (89 µg/L) was detected in the field blank from August 31, 2004.
(8) Styrene - F1= MS and/or MSD Recovery is outside acceptance limits.

All 2018 results collected by SCS Engineers.
Table shows only VOCs that were detected.

Laboratory Notes/Qualifiers:
a = Compound was reported in the associated field and/or trip blank as well as the monitoring well sample.
F1 = MS and/or MSD Recovery is outside acceptance limits.
J = Concentration reported below the laboratory method detection limit; value is an estimate.
J1 = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
B = Compound was found in the blank and sample.
(1) Chloromethane = MS/MSD RPD exceeds control limits
(2) Chloroethane = LCS or LCSD is outside acceptance limits.
(3) Styrene = F1: MS and/or MSD Recovery is outside acceptance limits.

Created by: LMH Date: 7/30/2018
Last revision by: AJR Date: 4/16/2019
Checked by: JSN Date: 4/19/2019

Table 2. Summary of Enforcement Standard Exceedances - April 2019
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00
(Results are in µg/L)

Sample	Date	Lab Notes	1,1-Dichloroethylene (DCE)	cis-1,2-Dichloroethylene (DCE)	trans-1,2-Dichloroethylene (DCE)	Trichloroethene (TCE)	Vinyl Chloride	Other Exceedances
MW-1C	4/2/2019	--	<20	**3,700**	**560**	**11,000**	**270**	None
MW-3	4/3/2019	--	<3.9	<4.1	<3.5	**4,000**	<2.0	None
MW-4	4/2/2019	--	<0.39	<0.41	<0.35	**46**	<0.20	None
	4/2/32019 (Dup)	--	<0.39	<0.41	<0.35	**45**	<0.20	None
MW-5	4/2/2019	--	<2.0	**940**	13	**1500**	**1.3** J1	None
MW-6	4/3/2019	--	<7.8	<8.2	<7.0	**7,800**	<4.1	None
MW-7	4/2/2019	--	<0.39	<0.41	<0.35	**130**	<0.20	None
MW-8	4/2/2019	--	<0.39	0.57 J1	<0.35	**120**	<0.20	None
MW-9	4/2/2019	--	<78	**11,000**	<70	**110,000**	<41	None
MW-19C	4/3/2019	--	**87**	**65,000**	**150**	**17** J1	**880**	None
MW-20C	4/3/2019	--	<0.39	9.0	1.3	**160**	<0.20	None
MW-28D	4/2/2019	--	0.91 J1	19	6.9	**200**	<0.20	None
	4/2/2019 (Dup)	--	0.90 J1	19	6.7	**190**	<0.20	None
MW-35D	4/2/2019	--	<0.39	1.1	**300**	0.23 J1	**1.2**	None
MW-36D	4/1/2019	--	<0.39	46	29	**15**	**9.1**	None
MW-40D	4/2/2019	--	<2.0	**1,500**	28	**1,300**	**67**	None
MW-43D	4/3/2019	--	<0.78	<0.82	<0.70	**880**	<0.41	None
MW-44D	4/1/2019	--	<0.39	51	30	<0.16	**20**	None
MW-45D	4/1/2019	--	<0.39	**170**	16	**200**	**9.4**	None
NR 140 Enforcement Standards			7	70	100	5	0.2	
CAS No.			75-35-4	156-59-2	156-60-5	79-01-6	75-01-4	

Abbreviations:
µg/ L = micrograms per liter or parts per billion (ppb) (Dup) = Duplicate Sample

Notes:
NR 140 Enforcement Standards - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.
Bold+underlined values meet or exceed NR 140 enforcement standards.

Laboratory Notes/Qualifiers:
J1 = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Created by: LMH Date: 7/30/2018
Last revision by: LMH Date: 4/26/2019
Checked by: JSN Date: 4/26/2019

Table 3. Water Level Summary
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00

	Depth to Water in feet below top of well casing																											
Well Number	**MW-1C**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10D**	**MW-11D**	**MW-12D**	**MW-13C**	**MW-14D**	**MW-15**	**MW-16C**	**MW-17**	**MW-18D**	**MW-19C**	**MW-20C**	**MW-21D**	**MW-22C**	**MW-23D**	**MW-24**	**MW-25C**	**MW-26C**	**MW-27**	**MW-28D**	**MW-29**
Well by Area	**1**	**1**	**1**	**1**	**1**	**1**	**3**	**3**	**2**	**1**	**1**	**1**	**N**	**N**	**N**	**N**	**N**	**N**	**1**	**1**	**N**	**1**	**1**	**1**	**3**	**2**	**1**	**1**	**1**
Water Depth Measurement Date																													
November 12, 2002	53.71	45.99	25.66	40.04	41.19	47.43	42.07	62.32	65.62	53.89	51.75	48.95	68.02	67.70	60.36	67.73	60.84	68.15	47.96	52.71	47.28	15.13	15.39	10.71	38.98	32.83	43.14	53.24	48.56
January 16, 2003	54.45	47.39	26.67	41.58	42.82	48.46	43.11	63.36	66.47	54.64	52.54	49.71	68.79	68.53	61.81	68.58	62.21	68.93	48.78	53.53	48.13	15.98	16.23	11.55	46.50	33.65	44.57	54.07	49.64
May 5, 2003	54.42	48.47	27.11	41.75	NM	47.30	44.55	NM	68.72	54.42	53.35	49.48	NM	68.52	63.87	68.55	64.18	68.88	48.50	53.28	47.80	15.61	15.82	11.01	40.22	33.48	42.85	53.83	48.78
November 20, 2003	55.46	49.74	28.43	44.40	45.65	50.91	46.14	67.19	70.31	55.66	53.64	NM	70.03	69.77	66.30	69.87	66.68	70.18	49.90	54.58	47.68	16.95	17.17	12.21	40.62	34.66	47.12	55.06	51.78
October 27, 2004	51.14	41.07	22.13	34.16	34.40	42.40	38.61	51.21	61.30	51.39	49.25	NM	64.58	64.39	55.18	65.37	55.77	65.78	44.41	50.22	44.90	12.68	12.96	8.23	36.12	30.63	37.87	50.78	43.63
November 22, 2004	51.31	42.01	22.55	35.27	36.00	43.24	38.99	58.55	61.49	51.56	49.35	NM	65.80	65.53	55.81	65.63	56.35	65.90	44.63	50.44	45.06	12.78	13.15	8.13	36.24	30.85	38.84	50.96	44.45
March 18, 2005	52.14	44.80	23.87	37.95	39.07	45.66	41.29	61.20	64.19	52.31	50.23	NM	66.69	66.40	58.99	66.42	59.51	66.73	45.63	51.21	44.61	NM	NM	NM	54.17	31.62	40.89	51.72	46.76
April 21, 2005	52.05	44.83	23.58	37.76	38.79	45.44	41.21	61.29	64.69	52.25	50.08	NM	66.59	66.36	59.08	66.35	59.66	66.75	45.48	51.15	45.88	13.56	13.85	8.45	37.61	31.58	40.63	51.68	46.66
October 18, 2018	43.94	27.32	12.57	19.18	19.59	29.10	32.45	51.77	57.07	44.09	41.95	NM	NM	58.40	30.74	58.58	41.95	58.75	36.62	43.03	37.80	5.71	5.84	2.70	28.01	24.30	24.86	43.62	30.75
April 1, 2019	46.52	34.94	16.48	26.85	27.99	38.22	30.15	44.52	55.02	46.70	NM	NM	NM	60.81	46.61	60.97	47.33	61.15	39.61	46.88	40.45	12.11	8.45	4.48	27.24	26.35	30.76	47.17	37.08

	Ground Water Elevation in feet above mean sea level (amsl)																											
Well Number	**MW-1C**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10D**	**MW-11D**	**MW-12D**	**MW-13C**	**MW-14D**	**MW-15**	**MW-16C**	**MW-17**	**MW-18D**	**MW-19C**	**MW-20C**	**MW-21D**	**MW-22C**	**MW-23D**	**MW-24**	**MW-25C**	**MW-26C**	**MW-27**	**MW-28D**	**MW-29**
Well by Area	**1**	**1**	**1**	**1**	**1**	**1**	**3**	**3**	**2**	**1**	**1**	**1**	**N**	**N**	**N**	**N**	**N**	**N**	**1**	**1**	**N**	**1**	**1**	**1**	**3**	**2**	**1**	**1**	**1**
Top of Casing Elevation (feet amsl) 2002 through 2005	870.88	868.98	847.19	863.54	865.32	869.84	861.07	883.07	886.62	871.08	868.96	866.10	884.32	884.07	884.20	884.44	884.42	884.44	865.69	870.01	863.80	832.59	832.54	832.68	855.01	848.33	866.24	870.47	870.37
Top of Casing Elevation (feet amsl) 2018	870.79	868.85	847.06	863.42	865.21	869.75	861.03	883.01	886.57	870.89	868.84	865.99	884.12	883.49	884.09	884.21	884.36	884.37	865.71	869.96	863.51	832.34	832.75	832.50	854.83	848.10	866.00	870.41	870.07
Grade Elevation (ft) 2002 through 2005	868.90	867.00	845.40	861.70	863.50	868.00	859.30	881.40	884.80	868.90	866.90	864.10	882.00	881.80	882.10	881.80	882.00	882.20	863.40	867.50	861.80	831.10	830.70	830.30	853.10	846.20	864.20	867.90	868.10
Grade Elevation (ft) 2018	868.75	867.04	845.54	861.63	864.02	867.98	859.35	873.81	885.60	868.69	866.33	863.92	881.72	881.76	881.98	881.61	882.23	881.80	863.58	867.62	861.92	831.16	830.66	830.40	853.32	846.12	864.18	867.92	868.10
Screen Length (ft)	10	5	5	5	5	5	5	5	5	10	10	10	5	5	10	5	10	5	5	5	5	5	5	10	5	5	5	5	5
Screen Interval (ft below grade)	100 to 110	60.5 to 65.5	35 to 40	64.4 to 65.4	55 to 60	60 to 65	50 to 55	65 to 70	80 to 85	131 to 141	130 to 140	130 to 140	131 to 136	168 to 173	66 to 76	132 to 137	66 to 76	169 to 174	107 to 112	108 to 113	120 to 125	82 to 87	120 to 125	20 to 30	124 to 129	115 to 120	85 to 90	188 to 193	80 to 85
Top of Well Screen Elevation (ft msl)	768.9	806.5	810.4	801.3	808.5	808.0	809.3	816.4	804.8	737.9	736.9	734.1	751.0	713.8	816.1	749.8	816.0	713.2	756.4	760.0	741.8	749.1	710.7	810.3	729.1	731.2	779.2	679.9	788.1
Bottom of Well Screen Elevation (ft msl)	758.9	801.5	805.4	796.3	803.5	803.0	804.3	811.4	799.8	727.9	726.9	724.1	746.0	708.8	806.1	744.8	806.0	708.2	751.4	755.0	736.8	744.1	705.7	800.3	724.1	726.2	774.2	674.9	783.1
Water Elevation Measurement Date																													
November 12, 2002	817.17	822.99	821.53	823.50	824.13	822.41	819.00	820.75	821.00	817.19	817.21	817.15	816.30	816.37	823.84	816.71	823.58	816.29	817.73	817.30	816.52	817.46	817.15	821.97	816.03	815.50	823.10	817.23	821.81
January 16, 2003	816.43	821.59	820.52	821.96	822.50	821.38	817.96	819.71	820.15	816.44	816.42	816.39	815.53	815.54	822.39	815.86	822.21	815.51	816.91	816.48	815.67	816.61	816.31	821.13	808.51	814.68	821.67	816.40	820.73
May 5, 2003	816.46	820.51	820.08	821.79	NM	822.54	816.52	NM	817.90	816.66	815.61	816.62	NM	815.55	820.33	815.89	820.24	815.56	817.19	816.73	816.00	816.98	816.72	821.67	814.79	814.85	823.39	816.64	821.59
November 20, 2003	815.42	819.24	818.76	819.14	819.67	818.93	814.93	815.88	816.31	815.42	815.32	NM	814.29	814.30	817.90	814.57	817.74	814.26	815.79	815.43	816.12	815.64	815.37	820.47	814.39	813.67	819.12	815.41	818.59
October 27, 2004	819.74	827.91	825.06	829.38	830.92	827.44	822.46	831.86	825.32	819.69	819.71	NM	819.74	819.68	829.02	819.07	828.65	818.66	821.28	819.79	818.90	819.91	819.58	824.45	818.89	817.70	828.37	819.69	826.74
November 22, 2004	819.57	826.97	824.64	828.27	829.32	826.60	822.08	824.52	825.13	819.52	819.61	NM	818.52	818.54	828.39	818.81	828.07	818.54	821.06	819.57	818.74	819.81	819.39	824.55	818.77	817.48	827.40	819.51	825.92
March 18, 2005	818.74	824.18	823.32	825.59	826.25	824.18	819.78	821.87	822.43	818.77	818.73	NM	817.63	817.67	825.21	818.02	824.91	817.71	820.06	818.80	819.19	NM	NM	NM	800.84	816.71	825.35	818.75	823.61
April 21, 2005	818.83	824.15	823.61	825.78	826.53	824.40	819.86	821.78	821.93	818.83	818.88	NM	817.73	817.71	825.12	818.09	824.76	817.69	820.21	818.86	817.92	819.03	818.69	824.23	817.40	816.75	825.61	818.79	823.71
October 18, 2018	826.85	841.53	834.49	844.24	845.62	840.65	828.58	831.24	829.50	826.80	826.89	NM	NM	825.09	853.35	825.63	842.41	825.62	829.09	826.93	825.71	826.63	826.91	829.80	826.82	823.80	841.14	826.79	839.32
April 1, 2019	824.27	833.91	830.58	836.57	837.22	831.53	830.88	838.49	831.55	824.19	NM	NM	NM	822.68	837.48	823.24	837.03	823.22	826.10	823.08	823.06	820.23	824.30	828.02	827.59	821.75	835.24	823.24	832.99

Table 3. Water Level Summary
Keck Farm Property - Watertown, WI / SCS Engineers Project #25218118.00

	Depth to Water in feet below top of well casing																											
Well Number	**MW-30D**	**MW-31D**	**MW-32D**	**MW-33D**	**MW-34D**	**MW-35D**	**MW-36**	**MW-36D**	**MW-37D**	**MW-38D**	**MW-39D**	**MW-40D**	**MW-41D**	**MW-42D**	**MW-43D**	**MW-44D**	**MW-45D**	**MW-46D**	**TW-1**	**RW-1**	**RW-2**	**INJ-1**	**INJ-2**	**INJ-3**	**INJ-4**	**INJ-5**	**INJ-6**	**INJ-7**	**INJ-8**	**INJ-9**
Well by Area	**1**	**3**	**2**	**3**	**3**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**N**	**1**	**3**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Water Depth Measurement Date	50.01	53.29	4.41	2.31	7.96	NM	NM	NM	NM	NM	NM	-	-	-	-				68.40	44.60	38.88	-	-	-	-	-				
November 12, 2002	50.60	Aban.	5.05	3.05	8.65	45.32	36.42	41.31	42.27	43.16	37.93	-	-	-	-				68.21	45.51	39.74	-	-	-	-	-				
January 16, 2003	50.15	Aban.	4.95	2.92	8.50	45.26	39.00	44.27	42.24	43.07	37.97	-	-	-	-				NM	45.37	39.52	-	-	-	-	-				
May 5, 2003	51.19	Aban.	6.17	4.07	9.59	46.55	40.40	45.55	43.51	44.34	39.13	-		-	-				70.45	46.69	40.58	-	-	-	-	-				
November 20, 2003	47.92	Aban.	2.24	0.32	5.90	42.01	27.94	41.02	39.00	39.88	35.14	44.21	41.19	42.32	29.59				66.08	41.52	36.50	45.56	NM	45.04	NM	NM				
October 27, 2004	48.13	Aban.	2.32	0.63	6.13	42.21	29.25	41.20	39.20	40.04	35.31	44.43	41.35	42.49	29.73				66.24	42.19	36.73	45.66	32.52	45.18	45.54	47.16				
November 22, 2004	48.53	Aban.	3.11	1.19	6.78	43.02	28.44	42.02	40.05	40.91	36.06	45.25	42.19	43.34	30.55				67.13	43.59	37.55	46.45	43.32	45.97	46.42	48.02				
April 21, 2005	48.48	Aban.	3.07	1.15	6.69	42.93	28.28	41.95	39.97	40.82	36.04	45.15	42.10	43.22	30.36				67.09	43.46	37.48	46.36	43.21	45.93	46.22	47.90				
October 18, 2018	41.27	Aban.	0.00	0.00	0.00	34.70	10.65	33.57	31.62	32.50	28.63	36.85	33.74	34.91	22.41	37.46	33.60	9.77												
April 1, 2019	43.43	Aban.	0.00	0.00	2.03	37.38	16.72	36.35	34.29	35.18	30.80	39.48	36.39	37.59	25.27	40.22	36.23	12.34												

	Ground Water Elevation in feet above mean sea level (amsl)																											
Well Number	**MW-30D**	**MW-31D**	**MW-32D**	**MW-33D**	**MW-34D**	**MW-35D**	**MW-36**	**MW-36D**	**MW-37D**	**MW-38D**	**MW-39D**	**MW-40D**	**MW-41D**	**MW-42D**	**MW-43D**	**MW-44D**	**MW-45D**	**MW-46D**	**TW-1**	**RW-1**	**RW-2**	**INJ-1**	**INJ-2**	**INJ-3**	**INJ-4**	**INJ-5**	**INJ-6**	**INJ-7**	**INJ-8**	**INJ-9**
Well by Area	**1**	**3**	**2**	**3**	**3**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**N**	**1**	**3**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Top of Casing Elevation (feet amsl) 2002 through 2005	864.85	868.92	819.76	817.35	822.86	861.56	860.58	860.55	858.51	859.46	852.81	863.84	860.76	861.93	849.25	--	--	--	884.75	861.78	854.45	865.11	861.72	864.57	864.97	866.56	-	-	-	-
Top of Casing Elevation (feet amsl) 2018	865.14	Aban.	819.53	817.09	822.57	861.64	860.52	860.54	858.46	859.46	852.75	863.82	860.63	861.81	848.99	864.41	860.36	836.24	884.70	861.60	854.24	864.72	861.83	864.37	863.38	867.80	863.94	864.32	869.48	869.90
Grade Elevation (ft) 2002 through 2005	862.70	867.50	817.20	815.40	820.90	859.10	858.20	858.50	856.10	857.10	850.90	861.30	858.10	859.40	846.00	--	--	--	882.40	859.80	852.50	862.10	859.60	861.70	861.00	863.30	--	--	--	--
Grade Elevation (ft) 2018	862.84	Aban.	817.16	815.56	821.17	858.86	857.91	858.07	855.50	856.74	850.31	861.25	858.12	859.12	846.63	861.76	857.13	834.42	882.58	859.59	852.37	861.97	858.93	861.56	861.78	862.66	861.25	861.61	867.08	867.70
Screen Length (ft)	10	5	10	10	10	10	15	10	10	10	10	10	10	10	10	10	10	10	25	40	40	70	70	70	70	70	-	-	-	-
Screen Interval (ft below grade)	200 to 210	143 to 148	95 to 105	75 to 85	82 to 92	139 to 149	30 to 45	130 to 140	130 to 140	130 to 140	120 to 130	127 to 137	128 to 138	135 to 145	146 to 156	132 to 142	124 to 134	115 to 125	149 to 174	130 to 170	126 to 166	118 to 188	116 to 186	113 to 183	115 to 185	120 to 190	-	-	-	-
Top of Well Screen Elevation (ft msl)	662.7	724.5	722.2	740.4	738.9	720.1	828.2	728.5	726.1	727.1	730.9	734.3	730.1	724.4	700.0	729.4	732.7	719.2	733.4	729.8	726.5	744.1	743.6	748.7	746.0	743.3	-	-	-	-
Bottom of Well Screen Elevation (ft msl)	652.7	719.5	712.2	730.4	728.9	710.1	813.2	718.5	716.1	717.1	720.9	724.3	720.1	714.4	690.0	719.4	722.7	709.2	708.4	689.8	686.5	674.1	673.6	678.7	676.0	673.3	-	-	-	-
Water Elevation Measurement Date	814.84	815.63	815.35	815.04	814.90	NM	NM	NM	NM	NM	NM	-	-	-	-	--	--	--	816.35	817.18	815.57	-	-	-	-	-	-	-	-	-
November 12, 2002	814.25	Aban.	814.71	814.30	814.21	816.24	824.16	819.24	816.24	816.30	814.88	-	-	-	-	--	--	--	816.54	816.27	814.71	-	-	-	-	-	-	-	-	-
January 16, 2003	814.70	Aban.	814.81	814.43	814.36	816.30	821.58	816.28	816.27	816.39	814.84	-	-	-	-	--	--	--	NM	816.41	814.93	-	-	-	-	-	-	-	-	-
May 5, 2003	813.66	Aban.	813.59	813.28	813.27	815.01	820.18	815.00	815.00	815.12	813.68	-	-	-	-	--	--	--	814.30	815.09	813.87	-	-	-	-	-	-	-	-	-
November 20, 2003	816.93	Aban.	817.52	817.03	816.96	819.55	832.64	819.53	819.51	819.58	817.67	819.63	819.57	819.61	819.66	--	--	--	818.67	820.26	817.95	819.55	NM	819.53	NM	NM	-	-	-	-
October 27, 2004	816.72	Aban.	817.44	816.72	816.73	819.35	831.33	819.35	819.31	819.42	817.50	819.41	819.41	819.44	819.52	--	--	--	818.51	819.59	817.72	819.45	829.20	819.39	819.43	819.40	-	-	-	-
November 22, 2004	816.32	Aban.	816.65	816.16	816.08	818.54	832.14	818.53	818.46	818.55	816.75	818.59	818.57	818.59	818.70	--	--	--	817.62	818.19	816.90	818.66	818.40	818.60	818.55	818.54	-	-	-	-
April 21, 2005	816.37	Aban.	816.69	816.20	816.17	818.63	832.30	818.60	818.54	818.64	816.77	818.69	818.66	818.71	818.89	--	--	--	817.66	818.32	816.97	818.75	818.51	818.64	818.75	818.66	-	-	-	-
October 18, 2018	823.87	Aban.	819.53	817.09	822.57	826.94	849.87	826.97	826.84	826.96	824.12	826.97	826.89	826.90	826.58	826.95	826.76	826.47	-	-	-	-	-	-	-	-	-	-	-	-
April 1, 2019	821.71	Aban.	819.53	817.09	820.54	824.26	843.80	824.19	824.17	824.28	821.95	824.34	824.24	824.22	823.72	824.19	824.13	823.90	-	-	-	-	-	-	-	-	-	-	-	-

Abbreviations:
amsl = above mean sea level
msl = mean sea level
ft = feet
NM = not measured

Notes:
1) "1", "2", or "3" denote that the monitoring well is located in sources defined as Areas 1, 2, or 3, respectively.
2) "N" denotes that the monitoring well is not located in any particular source area.
3) Elevations for wells MW1 through MW-34, TW-1, RW-1, and RW-2 obtained from Legette, Brashears, & Graham, Inc. tables.
4) Wells MW-35 through MW-43 and Inj-1 through ING-5 were surveyed by GZA GeoEnvironmental, Inc. utilizing a laser level with the elevations calculated relative to existing wells.
5) The water level measured for MW-25C is not representative of static water level conditions. More than a month is required for the water level in the well to return to static conditions after sampling [January 16, 2003 and March 18, 2005].
6) "NM" denotes that the water level in the wells was not measured due to various reasons.
7) 2018 elevation information from July 2018 survey performed by Burse Surveying and Engineering, Inc.
8) 2018 top of casing and ground surface elevations for wells INJ-6, INJ-7, MW-35D, MW-36, MW-36D, MW-37D, MW-38D, MW-44D, and MW45D were surveyed by GPS and are approximate. The height of the corn surrounding these wells prohibited use of a level (i.e., line of sight) to determine the elevations to the specified accuracy.
9) October 18, 2018: MW-13C not measured due to blockage in well. MW-12D was obstructed.

Notes 1 through 6 above and the November 12, 2002 through April 21, 2005 measurements were made by others.
2018 measurements and related notes added by SCS Engineers.

Created by: LMH Date: 7/17/2018
Last revision by: REL Date: 4/15/2019
Checked by: JSN Date: 4/15/2019

I:\25218118.00\Data and Calculations\Tables\[Table 3_Water Level Summary.xlsx]levels

Figures

LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL

NOTES

1. BASE PHOTO FROM WORLD IMAGERY MAP IN ARCMAP 10.4, SOURCES: ESRI, DIGITALGLOBE, GEOEYE, I-CUBED, USDA, USGS, AEX, GETMAPPING, AEROGRID, IGN, IGP, SWISSTOPO, AND THE GIS USER COMMUNITY.
2. WELL LOCATIONS SURVEYED BY BURSE SURVEYING AND ENGINEERING, INC. IN JULY 2018.

N

200 0 200

SCALE: 1" = 200'

PROJECT NO.	25218118.00	DRAWN BY:	BJM
DRAWN:	07/19/18	CHECKED BY:	RL
REVISED:	11/29/18	APPROVED BY:	RL 12/13/18

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

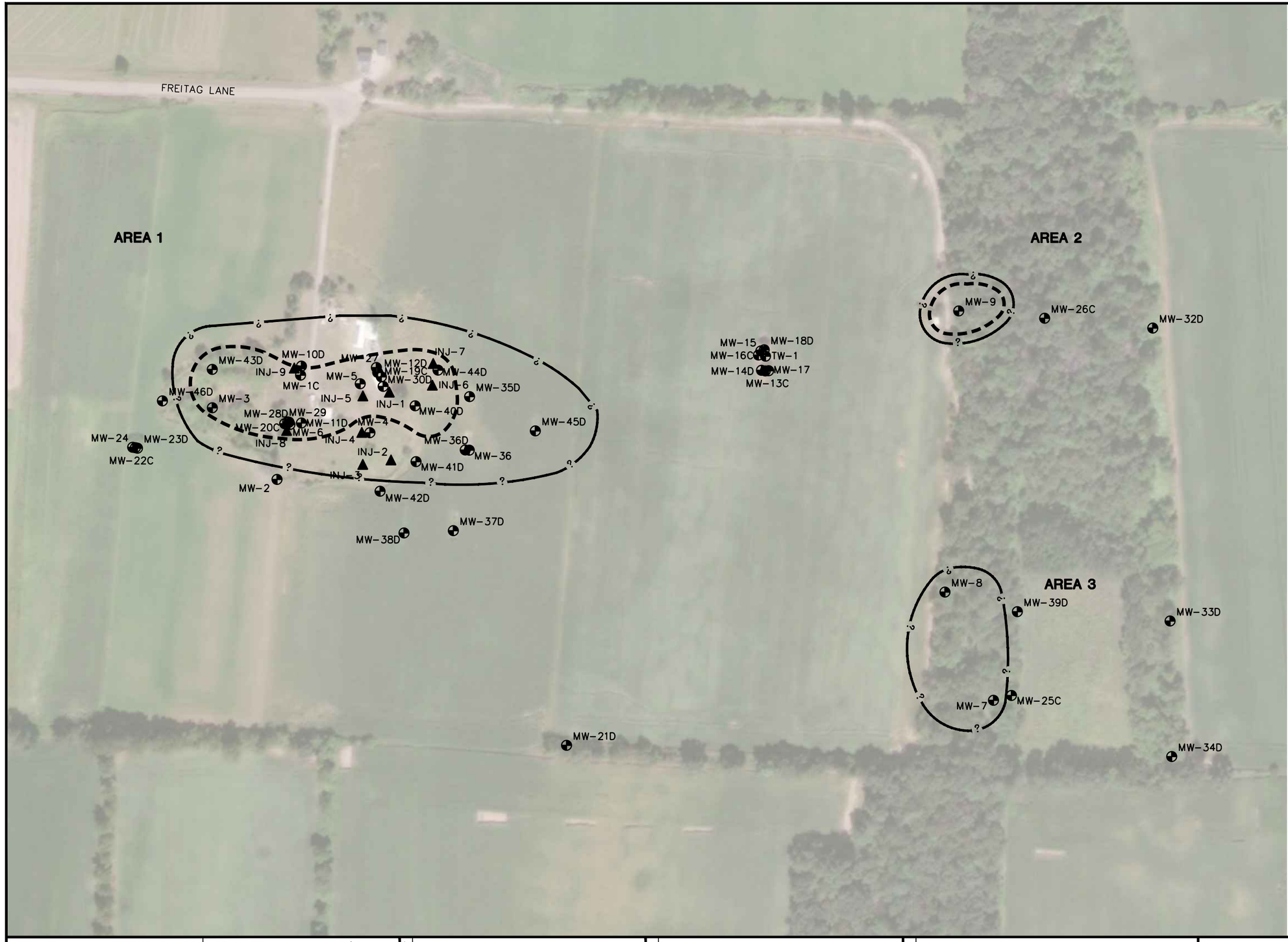
CLIENT: DNR – CENTRAL OFFICE
101 SOUTH WEBSTER ST.
MADISON, WI 53707

SITE: KECK FARM
WATERTOWN, WI
BRRTS#02-28-000945

SITE PLAN

FIGURE 1

I:\25218118.00\Drawings\Site Plan-.dwg, 12/13/2018 10:43:47 AM



LEGEND

- MONITORING WELL
- INJECTION WELL
- RECOVERY WELL
- ESTIMATED EXTENT OF GROUNDWATER EXCEEDING ENFORCEMENT STANDARDS
- ESTIMATED EXTENT OF GROUNDWATER EXCEEDING 100X ENFORCEMENT STANDARDS

NOTES

1. BASE PHOTO FROM WORLD IMAGERY MAP IN ARCMAP 10.4, SOURCES: ESRI, DIGITALGLOBE, GEOEYE, I-CUBED, USDA, USGS, AEX, GETMAPPING, AEROGRID, IGN, IGP, SWISSTOPO, AND THE GIS USER COMMUNITY.
2. WELL LOCATIONS SURVEYED BY BURSE SURVEYING AND ENGINEERING, INC. IN JULY 2018.
3. THE EXTENTS SHOWN ARE ESTIMATES BASED ON MOST RECENT GROUNDWATER SAMPLING RESULTS. THE EXTENTS DO NOT TAKE INTO ACCOUNT SITE HISTORY WHICH INCLUDED SEVERAL AREAS OF WASTE DISPOSAL AND MAY BE LIMITED BY LOCATIONS WHERE WELLS ARE INSTALLED AND/OR SAMPLED.

N

200 0 200

SCALE: 1" = 200'

PROJECT NO.	25218118.00	DRAWN BY:	KP/LEC
DRAWN:	11/29/18	CHECKED BY:	REL
REVISED:	05/07/19	APPROVED BY:	REL 05/07/19

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: DNR – CENTRAL OFFICE
101 SOUTH WEBSTER ST.
MADISON, WI 53707

SITE: KECK FARM
WATERTOWN, WI
BRRTS#02-28-000945

GROUNDWATER EXCEEDANCES MAP
APRIL 2019

FIGURE 2

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FREITAG LANE

AREA 1

AREA 2

AREA 3

MW-24
828.02

MW-3
830.58

MW-29
832.99

MW-6
831.53

MW-2
833.91

MW-27
835.24

MW-5
837.22

MW-4
836.57

MW-36
843.80

MW-15
837.48

MW-17
837.03

MW-9
831.55

MW-8
838.49

MW-7
830.88

830
832
834
836
838
840
842

LEGEND

- MONITORING WELL
- 841.53 WATER TABLE ELEVATION MEASURED ON 04/01/19
- WATER TABLE CONTOUR
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES

1. BASE PHOTO FROM WORLD IMAGERY MAP IN ARCMAP 10.4, SOURCES: ESRI, DIGITALGLOBE, GEOEYE, I-CUBED, USDA, USGS, AEX, GETMAPPING, AEROGRID, IGN, IGP, SWISSTOPO, AND THE GIS USER COMMUNITY.
2. WELL LOCATIONS SURVEYED BY BURSE SURVEYING AND ENGINEERING, INC. IN JULY 2018.
3. ELEVATIONS BASED ON WATER LEVEL FOR MONITORING WELLS WITH NO LETTER DESIGNATION ASSUMED TO BE SCREENED IN TILL.

N

200 0 200

SCALE: 1" = 200'

PROJECT NO.	25218118.00	DRAWN BY:	KP/BSS
DRAWN:	11/29/18	CHECKED BY:	REL
REVISED:	04/08/19	APPROVED BY:	REL 04/19/19

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

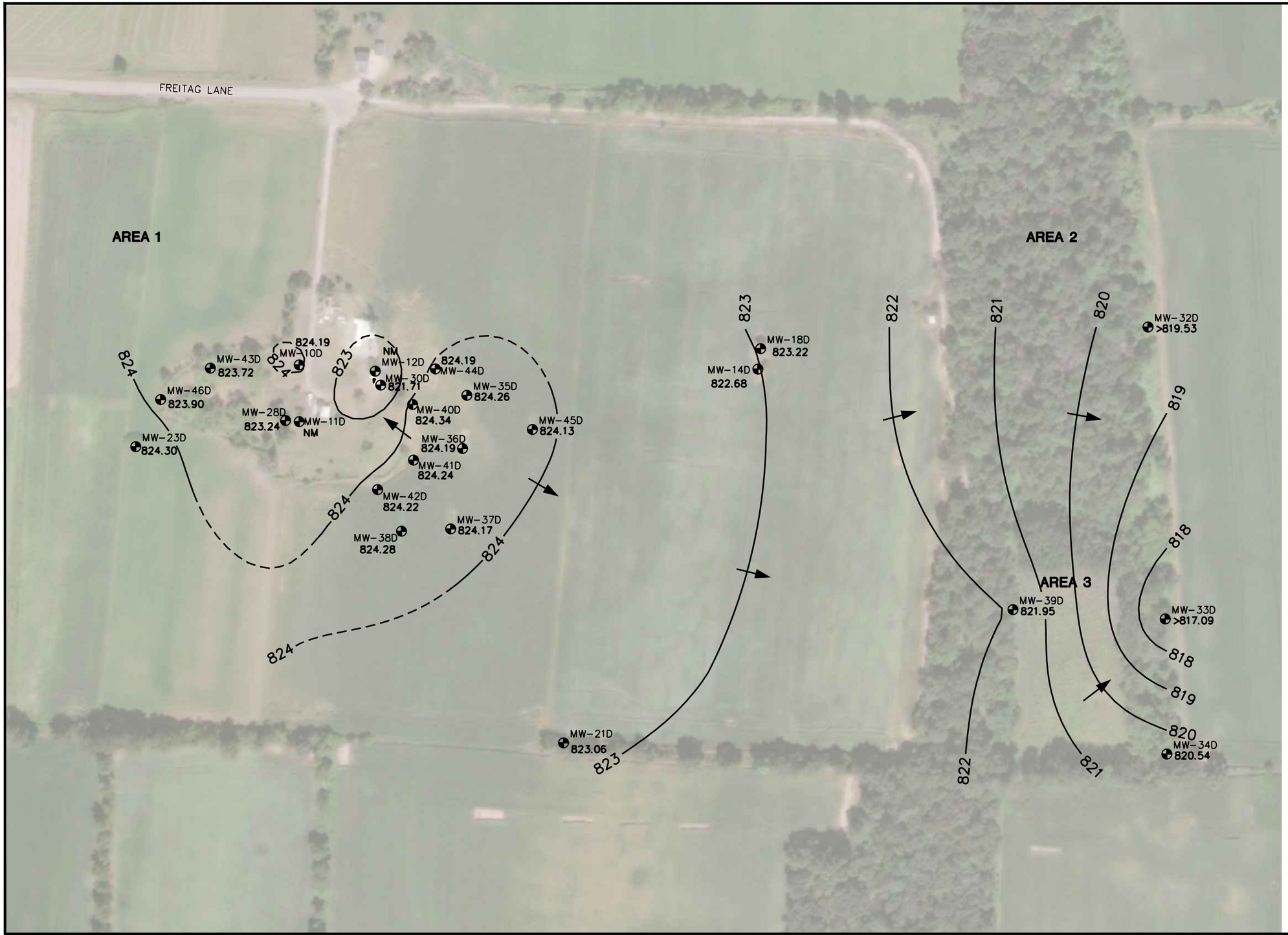
CLIENT: DNR – CENTRAL OFFICE
101 SOUTH WEBSTER ST.
MADISON, WI 53707

SITE: KECK FARM
WATERTOWN, WI
BRRTS#02-28-000945

WATER TABLE ELEVATION CONTOUR MAP
APRIL 2019

FIGURE 3

I:\25218118.00\Drawings\[illegible]t1.dwg, 4/22/201[illegible]:03:23 AM



LEGEND

⊕	MONITORING WELL
826.80	GROUNDWATER ELEVATION MEASURED ON 04/01/19
NM	NOT MEASURED
——	GROUNDWATER CONTOUR
→	APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES

1. BASE PHOTO FROM WORLD IMAGERY MAP IN ARCMAP 10.4, SOURCES: ESRI, DIGITALGLOBE, GEOEYE, I-CUBED, USDA, USGS, AEX, GETMAPPING, AEROGRID, IGN, IGP, SWISSTOPO, AND THE GIS USER COMMUNITY.
2. WELL LOCATIONS SURVEYED BY BURSE SURVEYING AND ENGINEERING, INC. IN JULY 2018.
3. ELEVATIONS BASED ON WATER LEVELS FOR "D" MONITORING WELLS ASSUMED TO BE SCREENED IN SANDSTONE.
4. GROUNDWATER ELEVATIONS FOR WELLS MW-32D AND MW-33D ARE MINIMUMS AS WELLS WERE ARTESIAN.

N

200 0 200

SCALE: 1" = 200'

PROJECT NO.	25218118.00	DRAWN BY:	KP/BSS/LEC
DRAWN:	11/29/18	CHECKED BY:	REL
REVISED:	05/07/19	APPROVED BY:	REL 05/07/19

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: DNR - CENTRAL OFFICE
101 SOUTH WEBSTER ST.
MADISON, WI 53707

SITE: KECK FARM
WATERTOWN, WI
BRRTS#02-28-000945

BEDROCK GROUNDWATER ELEVATION CONTOUR MAP
APRIL 2019

FIGURE 4

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Attachment A

Groundwater Sampling Field Sheets

Keck Farm Water Elevations

Date: 4-1-2019

Well Name	Depth to Water (Ft)	Total Depth (Ft)	Groundwater Elevation (FAMSL)	Comments
MW1C	46.52	111.0	824.27	
MW2	34.94	67.8	833.91	
MW3	16.48	41.9	830.58	
MW4	26.85	67.5	836.57	
MW5	27.99	62.2	837.22	
MW6	38.22	67.50	831.53	
MW7	30.15	57.30	830.88	
MW8	44.52	72.10		
MW9	55.02	88.10	831.65	
MW10D	46.70	141.4	824.19	
MW11D	—	—		obstruction @ 34.0 feet
MW12D	—	—		obstruction @ 21.26 feet
MW13C	—	—		obstruction 44.6 feet down
MW14D	60.81	175.0	822.68	
MW15	46.61	78.5	837.48	
MW16C	60.97	138.5	823.24	
MW17	47.33	79.1	837.03	
MW18D	61.15	176.6	823.22	
MW19C	39.61	108.3	826.10	
MW20C	46.88	118.3	823.08	
MW21D	40.45	125.10	823.06	
MW22C	12.11	83.4	820.23	
MW23D	8.45	127.4	820.64	
MW24	4.48	33.4	828.02	
MW25C	27.24	109.0	827.59	
MW26C	24.35	123.0	821.75	
MW27	30.76	85.7	835.24	

4-1-2019

Well Name	Depth to Water (Ft)	Total Depth (Ft)	Groundwater Elevation (FAMSL)	Comments
MW28D	47.17	197.2	823.24	
MW29	37.08	83.10	832.99	
MW30D	43.43	206.9	821.71	
MW32D	0.0	106.20	819.53	Artisian Well
MW33D	0.0	61.20	817.09	Artisian Well
MW34D	~~36.23~~	93.10	~~786.34~~	DTW = 2.03, Elevation = 820.54 (REL 4/25/2019)
MW35D	37.38	153.3	824.26	
MW36	16.72	47.0	843.80	
MW36D	36.35	144.10	824.19	
MW37D	34.29	141.1	824.17	
MW38D	35.18	143.3	824.28	
MW39D	30.80	128.10	821.95	Barrel next to well
MW40D	39.48	139.6	824.34	
MW41D	36.39	136.1	824.24	
MW42D	37.59	147.5	824.22	
MW43D	25.27	160.3	823.27	
MW44D	40.22	146.1	824.19	
MW45D	36.23	137.7	824.13	
MW46D	12.34	129.6	823.90	

Notes:
1) All water levels are taken within 24 hour period.

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW 1C **Date** 4/2/19
Total Well Depth 111.7 **Sampling Device** Grundfos
Water Level 46.61 **Other Info.**
Well Volume **Pumping Rate** 100 ml/s / min
Color/Odor O/O **Pump Run Time**
Sampling Personnel GS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1225	46.61	12.6	9.25	0.2	1252	-18	3.09	
1230	46.82	11.7	7.25	0.1	1256	-35	2.61	
1235	46.82	11.7	7.23	0.1	1259	-42	1.26	
1240	46.82	11.7	7.23	0.1	1259	-47	2.28	
1245	46.82	11.7	7.23	0.1	1257	-49	1.58	
1247	46.82	11.7	7.23	0.1	1257	-49	1.64	
1249	46.82	11.7	7.23	0.1	1257	-49	1.82	
1301	46.82	11.7	7.23	0.1	1257	-49	1.79	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOA Vials w/HCL

Additional Notes:

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW 3 **Date** 4/3/19
Total Well Depth 41.9 **Sampling Device** well wizard
Water Level 16.48 **Other Info.**
Well Volume **Pumping Rate** 100 mls/min
Color/Odor clo **Pump Run Time**
Sampling Personnel GS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1010	16.48	8.5	7.70	9.3	697	246	13.27	
1015	18.95	8.7	7.64	9.4	708	268	19.86	
1020	19.22	8.8	7.55	9.0	729	270	18.49	
1025	19.44	8.9	7.50	9.1	735	271	13.72	
1030	19.22	8.9	7.50	9.1	737	270	13.58	
1032	19.39	8.9	7.49	9.0	739	269	13.68	
1034	19.38	8.9	7.49	9.0	739	269	13.69	
1036	19.40	8.9	7.49	9.1	739	270	13.43	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOA Vials w/ HCL

Additional Notes:

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW-4 **Date** 4-2-19
Total Well Depth 67.50 **Sampling Device** Grundfos
Water Level 26.85 **Other Info.**
Well Volume **Pumping Rate** 100 mL/min
Color/Odor O/O **Pump Run Time** 34 minutes
Sampling Personnel Charlie Bills

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1315	27.81	9.18	7.01	6.54	892	128.5		
1320	27.75	8.34	6.98	5.44	896	128.4		
1325	27.77	8.60	6.92	4.65	898	127.0		
1330	27.74	9.05	6.89	4.23	904	125.2		
1335	27.65	9.08	6.87	4.11	909	123.7	4.37	
1340	27.56	8.97	6.85	3.95	910	123.3	3.84	
1345	27.48	8.87	6.83	3.81	913	123.1	3.36	
1347	27.44	8.76	6.83	3.72	914	123.2	3.24	
1349	27.41	8.75	6.81	3.64	917	123.1	3.33	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 HCL VOA Vials

Additional Notes: Dup done here

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW5 **Date** 4-2-19
Total Well Depth 62.20 **Sampling Device** Grundfos
Water Level 27.99 **Other Info.**
Well Volume **Pumping Rate** 100 ml/min
Color/Odor O/O **Pump Run Time**
Sampling Personnel Charlie Bills

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1430	31.37	7.13	6.68	4.10	797	85.1		
1435	30.61	6.40	6.37	3.11	798	80.7		
1440	30.54	7.03	6.37	2.77	799	77.6		
1445	30.58	7.35	6.49	1.98	802	68.8	12.39	
1450	30.58	7.34	6.50	1.51	803	67.2	11.00	
1455	29.84	7.27	6.49	0.94	797	67.2	12.40	
1500	29.79	7.51	6.49	0.73	793	66.2	10.32	
1505	29.77	7.99	6.55	0.55	798	62.6	8.89	
1510	29.80	7.93	6.56	0.56	805	61.6	7.27	
1512	29.80	7.88	6.55	0.51	803	61.9	6.96	
1514	29.79	7.91	6.55	0.50	803	61.9	6.92	sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 HCL VOA Vials

Additional Notes: 01 FB done here

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm

Well No. MW 6 **Date** 4/3/19

Total Well Depth 67.50 **Sampling Device** Well Wizard

Water Level 38.22 **Other Info.**

Well Volume **Pumping Rate** 100 ml/s/min

Color/Odor Lt Br/O **Pump Run Time**

Sampling Personnel CAS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
0915	38.22	9.6	7.69	1.4	899	148	478.3	
0920	37.90	9.0	7.60	1.2	899	155	333.5	
0925	37.62	8.6	7.51	1.2	902	162	501.90	
0930	37.38	8.4	7.44	1.2	905	156	655.5	
0935	37.22	8.3	7.40	1.1	907	152	657.5	
0940	37.16	8.2	7.39	1.1	909	150	650.0	
0942	37.15	8.2	7.39	1.1	909	150	651.8	
0944	37.15	8.2	7.39	1.1	909	152	648.0	
0946	37.14	8.2	7.39	1.1	909	152	659.9	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOC Vials w/HCL

Additional Notes: WTW multimeter pH Standards 4.00 7.00 10.00 ORP Standard 240 Cond Standard 1413

Check - pH 7.01 ORP 242 cond 1416

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW 19C **Date** 4-3-19
Total Well Depth 108.3 **Sampling Device** Grundfos
Water Level 39.61 **Other Info.**
Well Volume **Pumping Rate** 100ml/min
Color/Odor O/O **Pump Run Time**
Sampling Personnel Charlie Bills

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1000	41.30	9.70	7.35	1.49	1338	-117.8		
1005	41.66	9.59	7.13	0.71	1315	-128.6		
1010	41.80	9.43	7.09	0.50	1290	-138.0	12.69	
1015	42.08	9.65	7.01	0.43	1265	-137.4	9.32	
1017	42.23	9.64	7.02	0.45	1263	-137.8	7.10	
1019	42.26	9.59	7.07	0.47	1263	-141.8	7.41	
1021	42.31	9.68	7.10	0.45	1260	-142.7	7.19	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOA Vials

Additional Notes: ~~calibrated~~ meter calibrated @ 0945 on 4-3-19
O2FB done here @ 1020

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

Environmental Consultants
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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW 20C **Date** 4/2/19
Total Well Depth 118.3 **Sampling Device** Grundfos
Water Level 46.88 **Other Info.**
Well Volume **Pumping Rate** 100mls/min
Color/Odor O/O **Pump Run Time**
Sampling Personnel GS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1420	46.88	8.8	8.62	0.6	657	-233	42.76	
1425	52.93	8.8	8.64	0.4	691	-230	44.52	
1430	53.75	10.2	8.28	0.5	744	-160	44.96	
1435	54.98	10.8	8.06	0.3	760	-169	44.85	
1440	55.11	11.1	8.03	0.2	764	-170	44.35	
1445	55.40	11.1	8.02	0.2	764	-171	32.56	
1447	55.55	11.1	8.02	0.2	764	-171	32.34	
1449	55.60	11.1	8.02	0.2	763	-170	32.47	
1501	55.65	11.1	8.02	0.2	763	-171	32.91	
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOC Vials w HCL

Additional Notes:

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW-26C **Date** 4-2-19
Total Well Depth 123.0 **Sampling Device** Grundfos
Water Level 26.35 **Other Info.**
Well Volume **Pumping Rate** 100 mL/min
Color/Odor 0/0 **Pump Run Time** 49 minutes
Sampling Personnel Charlie Bills

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1145	26.39	6.83	7.94	1.22	265	99.1	15.9	
1150	26.38	6.14	8.01	1.10	308	104.2		
1155	26.40	5.87	7.52	0.61	371	107.1		
1200	26.40	5.49	7.22	0.55	467	65.1		
1205	26.40	5.37	7.00	0.51	495	45.9		
1210	26.42	5.30	6.84	0.60	517	18.9		
1215	26.45	7.03	7.10	0.66	568	-5.9		
1220	26.44	7.23	7.22	0.76	594	-16.4		
1225	26.44	7.47	7.12	0.98	612	-21.3	10.4	
1230	26.44	7.74	7.10	1.12	622	-24.1	6.73	
1232	26.44	7.71	7.10	1.15	623	-24.3	6.58	
1234	26.44	7.68	7.09	1.19	623	-23.7	4.10	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 HCL VOA Vials

Additional Notes:

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW 28D **Date** 4/2/19
Total Well Depth 197.2 **Sampling Device** Grundfos
Water Level 47.17 **Other Info.**
Well Volume **Pumping Rate** 100ml's/min
Color/Odor 0/0 **Pump Run Time**
Sampling Personnel GS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1330	47.17	11.0	8.51	0.4	431	-234	14.62	
1335	54.72	11.3	8.69	0.2	440	-296	15.55	
1340	54.60	11.3	8.75	0.1	449	-306	17.36	
1345	54.57	11.3	8.66	0.1	467	-305	9.53	
1350	54.57	11.5	8.56	0.1	481	-295	9.72	
1355	54.65	11.4	8.51	0.1	483	-291	9.32	
1357	54.65	11.4	8.51	0.1	483	-290	9.81	
1359	54.65	11.4	8.52	0.1	483	-291	9.77	
1401	54.64	11.4	8.52	0.1	484	-290	9.81	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOC Vials w HCL

Additional Notes: Dup done at this well

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW 35D **Date** 4/2/19
Total Well Depth 151.9 **Sampling Device** Grundfos
Water Level 37.38 **Other Info.**
Well Volume **Pumping Rate** 100 ml/s / min
Color/Odor O/O **Pump Run Time**
Sampling Personnel GS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
0930	37.38	11.3	7.79	0.2	896	-96	18.61	
0935	37.40	10.3	7.44	0.2	776	-128	22.34	
0940	38.18	12.2	7.22	0.2	896	-124	9.77	
0945	38.12	11.3	7.22	0.1	899	-133	5.50	
0950	38.12	11.3	7.20	0.1	902	-136	7.54	
0955	38.12	11.3	7.20	0.1	902	-138	7.33	
0957	38.13	11.3	7.19	0.1	904	-138	7.67	
0959	38.13	11.3	7.20	0.1	903	-138	7.76	
1001	38.13	11.3	7.20	0.1	903	-138	7.70	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOC vials /w HCl

Additional Notes:

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW 36 D **Date** 4/1/19
Total Well Depth 144.1 **Sampling Device** Grundfos
Water Level 36.35 **Other Info.**
Well Volume **Pumping Rate** 100 ml/min
Color/Odor O/O **Pump Run Time**
Sampling Personnel GS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1145	36.35	10.6	7.42	0.4	965	-77	20.03	
1150	36.55	10.7	7.37	0.2	955	-86	38.53	
1155	36.58	10.8	7.41	0.2	950	-92	20.37	
1200	36.57	10.8	7.34	0.2	945	-97	16.21	
1205	36.58	10.8	7.35	0.2	947	-99	10.78	
1210	36.58	10.8	7.38	0.2	948	-100	13.03	
1212	36.62	10.8	7.36	0.2	948	-101	8.78	
1214	36.58	10.8	7.37	0.2	947	-101	8.79	
1216	36.58	10.8	7.37	0.2	948	-102	9.06	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOC vials w/ HCL

Additional Notes:

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm

Well No. MW 40D **Date** 4/2/19

Total Well Depth 140.8 **Sampling Device** Grundfos

Water Level 39.52 **Other Info.**

Well Volume **Pumping Rate** 100/ml/min

Color/Odor O/O **Pump Run Time**

Sampling Personnel GS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1040	39.52	10.4	7.01	0.4	1226	-101	12.51	
1045	39.62	10.7	7.02	0.3	1251	-87	11.37	
1050	39.62	10.8	7.09	0.3	1251	-83	8.56	
1055	39.65	10.9	7.06	0.3	1254	-81	7.71	
1100	39.65	10.9	7.03	0.3	1254	-79	7.46	
1102	39.65	10.9	7.02	0.3	1254	-79	7.63	
1104	39.65	10.9	7.02	0.3	1254	-79	7.39	
1106	39.65	10.9	7.02	0.3	1254	-80	7.72	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOC Vails / w HCL

Additional Notes:

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW 43D **Date** 4/3/19
Total Well Depth 160.3 **Sampling Device** GrundFos
Water Level 25.27 **Other Info.**
Well Volume **Pumping Rate** 100ml/min
Color/Odor O/O **Pump Run Time**
Sampling Personnel GS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1120	25.27	10.7	7.75	0.2	704	142	51.44	
1125	25.68	10.8	7.70	0.1	783	45	47.38	
1130	25.62	10.8	7.98	0.1	783	24	41.55	
1135	25.59	10.9	8.13	0.1	783	4	32.60	
1140	25.60	10.9	7.97	0.1	783	-10	26.30	
1145	25.60	10.9	7.94	0.1	784	-16	19.73	
1147	25.60	10.9	7.94	0.1	784	-16	16.93	
1149	25.60	10.9	7.93	0.1	784	-16	16.55	
1201	25.60	10.9	7.93	0.1	784	-15	16.43	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOC Vials w/ HCL

Additional Notes:

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm

Well No. MW 44D **Date** 4/1/19

Total Well Depth 146.1 **Sampling Device** Grundfos

Water Level 40.22 **Other Info.**

Well Volume **Pumping Rate** 100 mls/min

Color/Odor C/O **Pump Run Time**

Sampling Personnel GS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1030	40.22	10.5	7.39	0.9	678	-35	8.63	
1035	39.49	10.8	7.31	0.2	703	-93	10.63	
1040	40.47	10.9	7.29	0.2	705	-113	10.85	
1045	40.57	10.9	7.29	0.2	714	-121	10.00	
1050	40.47	10.9	7.30	0.2	720	-129	10.01	
1052	40.47	10.9	7.29	0.2	723	-130	9.44	
1054	40.48	10.9	7.30	0.2	724	-131	9.55	
1056	40.48	10.9	7.30	0.2	723	-131	9.54	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOC Vials w HCL

Additional Notes: WTW Multimeters pH 9.00 7.00 10.00 Standards
Cond 1413 Stnd ORP 240 Standard

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm
Well No. MW 45D **Date** 4/1/19
Total Well Depth 138.8 **Sampling Device** Grundfos
Water Level 36.23 **Other Info.**
Well Volume **Pumping Rate** 200/ml/min
Color/Odor O/O **Pump Run Time**
Sampling Personnel GS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1300	36.23	10.6	7.45	0.2	773	-45	5.79	
1305	36.44	10.7	7.41	0.2	789	-50	4.21	
1310	36.45	10.8	7.37	0.2	792	-53	4.65	
1315	36.48	10.7	7.34	0.2	804	-55	3.29	
1320	36.48	10.8	7.33	0.2	804	-57	4.72	
1322	36.48	10.8	7.34	0.2	805	-57	4.22	
1324	36.46	10.8	7.33	0.2	805	-57	4.54	
1326	36.48	10.8	7.33	0.2	805	-57	4.38	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOA Vials w/ HCL

Additional Notes:

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

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Groundwater Sampling Log

Project No. 25218118.00 **Site** Keck Farm

Well No. MW 46D **Date** ~~Prior~~ 4-1-19

Total Well Depth 129.6 **Sampling Device** Grundfos

Water Level 12.34 **Other Info.**

Well Volume **Pumping Rate**

Color/Odor O/O **Pump Run Time** 100 mls / min

Sampling Personnel GS

Time	Water Level	Temp.	pH	DO (mg/L)	Cond. (µs/cm)	ORP	Turbidity	Notes
1405	12.34	10.0	7.59	0.4	657	-24	9.33	
1410	12.55	10.2	7.54	0.2	664	-34	7.27	
1415	12.55	10.2	7.52	0.2	667	-45	9.64	
1420	12.57	10.2	7.41	0.2	670	-49	9.26	
1425	12.57	10.3	7.50	0.2	670	-53	9.59	
1427	12.55	10.3	7.51	0.2	670	-53	9.69	
1429	12.55	10.3	7.51	0.2	670	-53	9.13	
1501	12.55	10.3	7.51	0.2	670	-53	9.32	Sampled
Stability Requirements:		+/- 3%	+/- 0.1 unit	±/- 10% or 3 readings <0.5 mg/L	+/- 3%	+/- 10mV	+/- 10% or 3 readings <5 NTU	

Type of Samples Collected: 3 VOC Vials w HCl

Additional Notes:

Information: Volume in a 2-inch well = 617 ml/ft, Volume in a 4-inch well = 2,470 ml/ft: $Vol_{cyl} = \pi r^2 h$

Monitoring Well Field Sheets

Facility / Project Name: Keck Farm - (SCS ENGINEERS #25218118.00)

Meter Cal: Meter calibrated on 4-2-19 & 4-3-19

Year: _____

Weather Conditions: 37°F Raining

Person(s) Sampling: Charlie Bills

Page _____ of _____

Well Name	Sample Date	Well Condition	Depth to Water (feet)	Total Depth (feet)	Purge Date	Volume Purged (gal)	Sampling Device	Conductance (uMhos / cm)	Field Temp (Celsius)	Field pH	Odor	Color	Turbidity	ORP	Sample Time	Comments
MW-9	4-2-19	Fine	55.02	88.1	4-1-19	8	Bailer	801	9.59	5.84	SL	N	19.7	130.7	1030	Dry@8gal
MW-8	4-2-19	Fine	44.52	72.1	4-1-19	6	Bailer	652	8.67	6.34	N	N	10.8	85.0	1045	Dry@6gal
MW-7	4-2-19	Fine	30.15	57.3	4-1-19	7	Bailer	599	8.52	6.63	N	N	6.6	75.4	1100	Dry@7gal
PW-1	4-2-19	—	—	—	4-2-19	—	Spigot	864	15.75	7.36	N	N	N	89.4	1540	let run 10 minutes before sampling

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2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

(optional)

Report To
Contact: Mike Piatlke
Company: SCS Engineers
Address: N84 W13540 W Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
E-Mail:

(optional)

Bill To
Contact: Mike Piatlke
Company: SCS Engineers
Address: N84 W13540 Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
PO#/Reference#

Lab Job #:
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler:

Client: SCS Engineers | Client Project #: | Preservative: 1

Project Name: Keck Farm | Parameter: VOC (8260B)

Project Location/State: WI | Lab Project #:

Sampler: Charlie Bills | Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC (8260B)	Comments
		MW19C	4-3-19	1021	3	W	3	
		MW26C	4-2-19	1234	3	W	3	
		MW 8	4-2-19	1045	3	W	3	
		MW7	4-2-19	1100	3	W	3	
		MW5	4-2-19	1514	3	W	3	
		MW4	4-2-19	1349	3	W	3	
		MW3	4-3-19	1036	3	W	3	
		MW43D	4-3-19	1201	3	W	3	
		MW6	4-3-19	0946	3	W	3	
		MW35D	4-2-19	1001	3	W	3	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard _____ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	SCS	4-3-2019	1700				

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TestAmerica

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2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

(optional)

Report To
Contact: Mike Prattke
Company: SCS Engineers
Address: N84W13540 Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
E-Mail:

(optional)

Bill To
Contact: Mike Prattke
Company: SCS Engineers
Address: N84 W13540 Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
PO#/Reference#

Lab Job #:
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler:

Client: SCS Engineers
Client Project #:
Project Name: Keefe Farm
Project Location/State: WI
Lab Project #:
Sampler: Charlie Bills
Lab PM:

Preservative: 1
Parameter: VOC (8260B)

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC (8260B)	Comments
		TB						
		01FB	4-2-19	1300	3	W	3	
		02FB	4-3-19	1020	3	W	3	
		Tote 1	4-3-19	1200	3	W	3	
		MW4 Dup	4-2-19	1349	3	W	3	
		MW28D Dup	4-2-19	1401	3	W	3	
		MW28D	4-2-19	1401	3	W	3	
		MW20C	4-2-19	1501	3	W	3	
		MW9	4-2-19	1030	3	W	3	
		PW16	4-2-19	1540	3	W	3	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard ____ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	SCS	4-3-19	1700				
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

(optional)

Report To
Contact: Mike Plattke
Company: SCS Engineers
Address: N84 W13540 Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
E-Mail:

(optional)

Bill To
Contact: Mike Plattke
Company: SCS Engineers
Address: N84 W13540 Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
PO#/Reference#

Lab Job #:
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler:

Client: SCS Engineers
Client Project #:
Project Name: Keck Farm
Project Location/State: WI
Lab Project #:
Sampler: Charlie Bills
Lab PM:

Preservative: 1
Parameter: VOC (8260B)

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC (8260B)	Comments
		MW 40D	4-2-19	1106	3	W	3	
		MW 45D	4-1-19	1326	3	W	3	
		MW 44D	4-1-19	1056	3	W	3	
		MW 36D	4-1-19	1216	3	W	3	
		MW 46D	4-1-19	1501	3	W	3	
		MW 1C	4-2-19	1301	3	W	3	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard ____ Other
Requested Due Date ____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Charlie	SCS	4-3-19	1700				
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
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SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

Attachment B

Laboratory Report

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-161057-1
Client Project/Site: Keck Farm - 25218118.00

For:
SCS Engineers
N84 W 13540 Leon Rd
Menomonee Falls, Wisconsin 53051

Attn: Mike Prattke

Sandie Fredrick

Authorized for release by:
4/12/2019 7:51:16 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Job ID: 500-161057-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-161057-1

Comments
No additional comments.

Receipt
The samples were received on 4/4/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.5º C.

GC/MS VOA
The method blank for 480189 contained Naphthalene and 1,2,4-Trichlorobenzene above the method detection limit and below the Reporting limit (RL). These target analytes concentration were less than the reporting limit (RL) in the associated samples; therefore, re-analysis of samples was not performed. Naphthalene and 1,2,4-Trichlorobenzene resuls have been flagged in the associated samples with a "B" flag denote the presence in the blank and possible lab contamination.

The following samples were diluted to bring the concentration of target analytes within the calibration range: MW 19C (500-161057-1), MW 5 (500-161057-5), MW 3 (500-161057-7), MW 43D (500-161057-8), MW 6 (500-161057-9), Tote 1 (500-161057-14), MW 9 (500-161057-19), MW 40D (500-161057-21) and MW 1C (500-161057-26). Elevated reporting limits (RLs) are provided.

Acetone was detected in the following sample: Tote 1 (500-161057-14). The method blank associated with this sample was non-detect for Acetone. Acetone is known lab contaminant; therefore all low level detects for this compound should be suspected as lab contamination.

The matrix spike (MS) recoveries for 479994 was outside control limits for Styrene. The associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 19C — Lab Sample ID: 500-161057-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	29	J	50	21	ug/L	50		8260B	Total/NA
1,1-Dichloroethene	87		50	20	ug/L	50		8260B	Total/NA
Naphthalene	30	J	50	17	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	150		50	17	ug/L	50		8260B	Total/NA
Trichloroethene	17	J	25	8.2	ug/L	50		8260B	Total/NA
1,2,4-Trimethylbenzene	38	J	50	18	ug/L	50		8260B	Total/NA
Vinyl chloride	880		50	10	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene - DL	65000		500	200	ug/L	500		8260B	Total/NA

Client Sample ID: MW 26C — Lab Sample ID: 500-161057-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.78		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW 8 — Lab Sample ID: 500-161057-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.57	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.0		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	120		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW 7 — Lab Sample ID: 500-161057-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.2		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	130		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW 5 — Lab Sample ID: 500-161057-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	940		5.0	2.0	ug/L	5		8260B	Total/NA
Ethylbenzene	1.1	J	2.5	0.92	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	13		5.0	1.7	ug/L	5		8260B	Total/NA
1,1,1-Trichloroethane	3.7	J	5.0	1.9	ug/L	5		8260B	Total/NA
1,2,4-Trimethylbenzene	3.2	J	5.0	1.8	ug/L	5		8260B	Total/NA
Vinyl chloride	1.3	J	5.0	1.0	ug/L	5		8260B	Total/NA
Xylenes, Total	9.9		5.0	1.1	ug/L	5		8260B	Total/NA
Trichloroethene - DL	1500		25	8.2	ug/L	50		8260B	Total/NA

Client Sample ID: MW 4 — Lab Sample ID: 500-161057-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	46		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW 3 — Lab Sample ID: 500-161057-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene - DL	4000		50	16	ug/L	100		8260B	Total/NA

Client Sample ID: MW 43D — Lab Sample ID: 500-161057-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene - DL	880		10	3.3	ug/L	20		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 6 — Lab Sample ID: 500-161057-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	36		20	7.7	ug/L	20		8260B	Total/NA
Trichloroethene - DL	7800		100	33	ug/L	200		8260B	Total/NA

Client Sample ID: MW 35D — Lab Sample ID: 500-161057-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.33	J	0.50	0.15	ug/L	1		8260B	Total/NA
Chloroethane	8.4		1.0	0.51	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.41	ug/L	1		8260B	Total/NA
Toluene	0.31	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.23	J	0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	1.2		1.0	0.20	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene - DL	300		10	3.5	ug/L	10		8260B	Total/NA

Client Sample ID: TB — Lab Sample ID: 500-161057-11

No Detections.

Client Sample ID: 01FB — Lab Sample ID: 500-161057-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.27	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 02FB — Lab Sample ID: 500-161057-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.22	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: Tote 1 — Lab Sample ID: 500-161057-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	20	J	100	17	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	1200		10	4.1	ug/L	10		8260B	Total/NA
Toluene	3.6	J	5.0	1.5	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	14		10	3.5	ug/L	10		8260B	Total/NA
Vinyl chloride	15		10	2.0	ug/L	10		8260B	Total/NA
Trichloroethene - DL	4400		50	16	ug/L	100		8260B	Total/NA

Client Sample ID: MW 4 DUP — Lab Sample ID: 500-161057-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	45		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW 28D DUP — Lab Sample ID: 500-161057-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	19		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.90	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	6.7		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	190		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 28D — Lab Sample ID: 500-161057-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	19		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.91	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	6.9		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	200		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW 20C — Lab Sample ID: 500-161057-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.0		1.0	0.41	ug/L	1		8260B	Total/NA
Ethylbenzene	1.4		0.50	0.18	ug/L	1		8260B	Total/NA
Toluene	3.2		0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.3		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	160		0.50	0.16	ug/L	1		8260B	Total/NA
Xylenes, Total	5.9		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW 9 — Lab Sample ID: 500-161057-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11000		200	82	ug/L	200		8260B	Total/NA
1,2,4-Trichlorobenzene	92	J B	200	68	ug/L	200		8260B	Total/NA
Trichloroethene - DL	110000		500	160	ug/L	1000		8260B	Total/NA

Client Sample ID: PW 16 — Lab Sample ID: 500-161057-20

No Detections.

Client Sample ID: MW 40D — Lab Sample ID: 500-161057-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	28		5.0	1.7	ug/L	5		8260B	Total/NA
Vinyl chloride	67		5.0	1.0	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene - DL	1500		50	20	ug/L	50		8260B	Total/NA
Trichloroethene - DL	1300		25	8.2	ug/L	50		8260B	Total/NA

Client Sample ID: MW 45D — Lab Sample ID: 500-161057-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	170		1.0	0.41	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	16		1.0	0.35	ug/L	1		8260B	Total/NA
1,2,4-Trichlorobenzene	0.44	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	200		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	9.4		1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW 44D — Lab Sample ID: 500-161057-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	51		1.0	0.41	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	30		1.0	0.35	ug/L	1		8260B	Total/NA
1,2,4-Trichlorobenzene	0.41	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Vinyl chloride	20		1.0	0.20	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 36D — Lab Sample ID: 500-161057-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	46		1.0	0.41	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	29		1.0	0.35	ug/L	1		8260B	Total/NA
1,2,4-Trichlorobenzene	0.50	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	15		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	9.1		1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW 46D — Lab Sample ID: 500-161057-25

No Detections.

Client Sample ID: MW 1C — Lab Sample ID: 500-161057-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3700		50	20	ug/L	50		8260B	Total/NA
trans-1,2-Dichloroethene	560		50	17	ug/L	50		8260B	Total/NA
Vinyl chloride	270		50	10	ug/L	50		8260B	Total/NA
Trichloroethene - DL	11000		250	82	ug/L	500		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-161057-1	MW 19C	Water	04/03/19 10:21	04/04/19 09:00
500-161057-2	MW 26C	Water	04/02/19 12:34	04/04/19 09:00
500-161057-3	MW 8	Water	04/02/19 10:45	04/04/19 09:00
500-161057-4	MW 7	Water	04/02/19 11:00	04/04/19 09:00
500-161057-5	MW 5	Water	04/02/19 15:14	04/04/19 09:00
500-161057-6	MW 4	Water	04/02/19 13:49	04/04/19 09:00
500-161057-7	MW 3	Water	04/03/19 10:36	04/04/19 09:00
500-161057-8	MW 43D	Water	04/03/19 12:01	04/04/19 09:00
500-161057-9	MW 6	Water	04/03/19 09:46	04/04/19 09:00
500-161057-10	MW 35D	Water	04/02/19 10:01	04/04/19 09:00
500-161057-11	TB	Water	04/02/19 00:00	04/04/19 09:00
500-161057-12	01FB	Water	04/02/19 13:00	04/04/19 09:00
500-161057-13	02FB	Water	04/03/19 10:20	04/04/19 09:00
500-161057-14	Tote 1	Water	04/03/19 12:00	04/04/19 09:00
500-161057-15	MW 4 DUP	Water	04/02/19 13:49	04/04/19 09:00
500-161057-16	MW 28D DUP	Water	04/02/19 14:01	04/04/19 09:00
500-161057-17	MW 28D	Water	04/02/19 14:01	04/04/19 09:00
500-161057-18	MW 20C	Water	04/02/19 15:01	04/04/19 09:00
500-161057-19	MW 9	Water	04/02/19 10:30	04/04/19 09:00
500-161057-20	PW 16	Water	04/02/19 15:40	04/04/19 09:00
500-161057-21	MW 40D	Water	04/02/19 11:06	04/04/19 09:00
500-161057-22	MW 45D	Water	04/01/19 13:26	04/04/19 09:00
500-161057-23	MW 44D	Water	04/01/19 10:56	04/04/19 09:00
500-161057-24	MW 36D	Water	04/01/19 12:16	04/04/19 09:00
500-161057-25	MW 46D	Water	04/01/19 15:01	04/04/19 09:00
500-161057-26	MW 1C	Water	04/02/19 13:01	04/04/19 09:00

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 19C
Date Collected: 04/03/19 10:21
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<87		500	87	ug/L			04/11/19 13:24	50
Benzene	<7.3		25	7.3	ug/L			04/11/19 13:24	50
Bromobenzene	<18		50	18	ug/L			04/11/19 13:24	50
Bromochloromethane	<21		50	21	ug/L			04/11/19 13:24	50
Bromodichloromethane	<19		50	19	ug/L			04/11/19 13:24	50
Bromoform	<24		50	24	ug/L			04/11/19 13:24	50
Bromomethane	<40		150	40	ug/L			04/11/19 13:24	50
2-Butanone (MEK)	<110		250	110	ug/L			04/11/19 13:24	50
Carbon tetrachloride	<19		50	19	ug/L			04/11/19 13:24	50
Chlorobenzene	<19		50	19	ug/L			04/11/19 13:24	50
Chloroethane	<25		50	25	ug/L			04/11/19 13:24	50
Chloroform	<19		100	19	ug/L			04/11/19 13:24	50
Chloromethane	<16		50	16	ug/L			04/11/19 13:24	50
2-Chlorotoluene	<16		50	16	ug/L			04/11/19 13:24	50
4-Chlorotoluene	<17		50	17	ug/L			04/11/19 13:24	50
cis-1,3-Dichloropropene	<21		50	21	ug/L			04/11/19 13:24	50
Dibromochloromethane	<24		50	24	ug/L			04/11/19 13:24	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/L			04/11/19 13:24	50
1,2-Dibromoethane	<19		50	19	ug/L			04/11/19 13:24	50
Dibromomethane	<14		50	14	ug/L			04/11/19 13:24	50
1,2-Dichlorobenzene	<17		50	17	ug/L			04/11/19 13:24	50
1,3-Dichlorobenzene	<20		50	20	ug/L			04/11/19 13:24	50
1,4-Dichlorobenzene	<18		50	18	ug/L			04/11/19 13:24	50
Dichlorodifluoromethane	<34		150	34	ug/L			04/11/19 13:24	50
1,1-Dichloroethane	**29**	**J**	50	21	ug/L			04/11/19 13:24	50
1,2-Dichloroethane	<20		50	20	ug/L			04/11/19 13:24	50
1,1-Dichloroethene	**87**		50	20	ug/L			04/11/19 13:24	50
1,2-Dichloropropane	<21		50	21	ug/L			04/11/19 13:24	50
1,3-Dichloropropane	<18		50	18	ug/L			04/11/19 13:24	50
2,2-Dichloropropane	<22		50	22	ug/L			04/11/19 13:24	50
1,1-Dichloropropene	<15		50	15	ug/L			04/11/19 13:24	50
Ethylbenzene	<9.2		25	9.2	ug/L			04/11/19 13:24	50
Hexachlorobutadiene	<22		50	22	ug/L			04/11/19 13:24	50
2-Hexanone	<78		250	78	ug/L			04/11/19 13:24	50
Isopropylbenzene	<19		50	19	ug/L			04/11/19 13:24	50
Isopropyl ether	<14		50	14	ug/L			04/11/19 13:24	50
Methylene Chloride	<82		250	82	ug/L			04/11/19 13:24	50
4-Methyl-2-pentanone (MIBK)	<110		250	110	ug/L			04/11/19 13:24	50
Methyl tert-butyl ether	<20		50	20	ug/L			04/11/19 13:24	50
Naphthalene	**30**	**J**	50	17	ug/L			04/11/19 13:24	50
n-Butylbenzene	<19		50	19	ug/L			04/11/19 13:24	50
N-Propylbenzene	<21		50	21	ug/L			04/11/19 13:24	50
p-Isopropyltoluene	<18		50	18	ug/L			04/11/19 13:24	50
sec-Butylbenzene	<20		50	20	ug/L			04/11/19 13:24	50
Styrene	<19		50	19	ug/L			04/11/19 13:24	50
tert-Butylbenzene	<20		50	20	ug/L			04/11/19 13:24	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/L			04/11/19 13:24	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/L			04/11/19 13:24	50
Tetrachloroethene	<19		50	19	ug/L			04/11/19 13:24	50

Client Sample ID: MW 19C

Date Collected: 04/03/19 10:21
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<94		500	94	ug/L			04/11/19 13:24	50
Toluene	<7.6		25	7.6	ug/L			04/11/19 13:24	50
trans-1,2-Dichloroethene	**150**		50	17	ug/L			04/11/19 13:24	50
trans-1,3-Dichloropropene	<18		50	18	ug/L			04/11/19 13:24	50
1,2,3-Trichlorobenzene	<23		50	23	ug/L			04/11/19 13:24	50
1,2,4-Trichlorobenzene	<17		50	17	ug/L			04/11/19 13:24	50
1,1,1-Trichloroethane	<19		50	19	ug/L			04/11/19 13:24	50
1,1,2-Trichloroethane	<18		50	18	ug/L			04/11/19 13:24	50
Trichloroethene	**17**	**J**	25	8.2	ug/L			04/11/19 13:24	50
Trichlorofluoromethane	<21		50	21	ug/L			04/11/19 13:24	50
1,2,3-Trichloropropane	<21		100	21	ug/L			04/11/19 13:24	50
1,2,4-Trimethylbenzene	**38**	**J**	50	18	ug/L			04/11/19 13:24	50
1,3,5-Trimethylbenzene	<13		50	13	ug/L			04/11/19 13:24	50
Vinyl chloride	**880**		50	10	ug/L			04/11/19 13:24	50
Xylenes, Total	<11		50	11	ug/L			04/11/19 13:24	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*04/11/19 13:24*	*50*
Dibromofluoromethane	*93*		*75 - 120*		*04/11/19 13:24*	*50*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*04/11/19 13:24*	*50*
Toluene-d8 (Surr)	*93*		*75 - 120*		*04/11/19 13:24*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**65000**		500	200	ug/L			04/11/19 13:49	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*04/11/19 13:49*	*500*
Dibromofluoromethane	*92*		*75 - 120*		*04/11/19 13:49*	*500*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*04/11/19 13:49*	*500*
Toluene-d8 (Surr)	*91*		*75 - 120*		*04/11/19 13:49*	*500*

Client Sample ID: MW 26C

Date Collected: 04/02/19 12:34
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 14:14	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 14:14	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:14	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 14:14	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 14:14	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 14:14	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 14:14	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 14:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 14:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:14	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 14:14	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 14:14	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 14:14	1

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 26C
Date Collected: 04/02/19 12:34
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 14:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 14:14	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/11/19 14:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 14:14	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 14:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 14:14	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 14:14	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 14:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 14:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:14	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 14:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 14:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 14:14	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 14:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 14:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 14:14	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 14:14	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 14:14	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 14:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 14:14	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 14:14	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 14:14	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 14:14	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 14:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 14:14	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 14:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 14:14	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 14:14	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:14	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 14:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:14	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 14:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 14:14	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 14:14	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 14:14	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			04/11/19 14:14	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/11/19 14:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 14:14	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 14:14	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 14:14	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 14:14	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 14:14	1
Trichloroethene	**0.78**		0.50	0.16	ug/L			04/11/19 14:14	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 14:14	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 14:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:14	1

Client Sample ID: MW 26C
Lab Sample ID: 500-161057-2
Date Collected: 04/02/19 12:34
Matrix: Water
Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 14:14	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 14:14	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*72 - 124*		*04/11/19 14:14*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*04/11/19 14:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*04/11/19 14:14*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*04/11/19 14:14*	*1*

Client Sample ID: MW 8
Lab Sample ID: 500-161057-3
Date Collected: 04/02/19 10:45
Matrix: Water
Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 14:39	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 14:39	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 14:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 14:39	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 14:39	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 14:39	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 14:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 14:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 14:39	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 14:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 14:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 14:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 14:39	1
cis-1,2-Dichloroethene	**0.57**	**J**	1.0	0.41	ug/L			04/11/19 14:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 14:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 14:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 14:39	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 14:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 14:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 14:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:39	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 14:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 14:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 14:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 14:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 14:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 14:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 14:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 14:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 14:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 14:39	1

Client Sample ID: MW 8

Lab Sample ID: 500-161057-3

Date Collected: 04/02/19 10:45

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 14:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 14:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 14:39	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 14:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 14:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 14:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 14:39	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 14:39	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:39	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 14:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:39	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 14:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 14:39	1
Tetrachloroethene	**1.0**		1.0	0.37	ug/L			04/11/19 14:39	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 14:39	1
Toluene	<0.15		0.50	0.15	ug/L			04/11/19 14:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/11/19 14:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 14:39	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 14:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 14:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 14:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 14:39	1
Trichloroethene	**120**		0.50	0.16	ug/L			04/11/19 14:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 14:39	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 14:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 14:39	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 14:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*04/11/19 14:39*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*04/11/19 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*04/11/19 14:39*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*04/11/19 14:39*	*1*

Client Sample ID: MW 7

Lab Sample ID: 500-161057-4

Date Collected: 04/02/19 11:00

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 15:05	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 15:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 15:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 15:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 15:05	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 15:05	1

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 7
Date Collected: 04/02/19 11:00
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 15:05	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 15:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 15:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 15:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 15:05	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 15:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 15:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 15:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 15:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/11/19 15:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 15:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 15:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 15:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 15:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 15:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 15:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 15:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 15:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 15:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 15:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 15:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 15:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 15:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 15:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 15:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 15:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 15:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 15:05	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 15:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 15:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 15:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 15:05	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 15:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 15:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 15:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 15:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 15:05	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 15:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 15:05	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 15:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 15:05	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 15:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 15:05	1
Tetrachloroethene	**1.2**		1.0	0.37	ug/L			04/11/19 15:05	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 15:05	1
Toluene	<0.15		0.50	0.15	ug/L			04/11/19 15:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/11/19 15:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 15:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 15:05	1

Client Sample ID: MW 7

Lab Sample ID: 500-161057-4

Date Collected: 04/02/19 11:00

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 15:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 15:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 15:05	1
Trichloroethene	**130**		0.50	0.16	ug/L			04/11/19 15:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 15:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 15:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 15:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 15:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 15:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*04/11/19 15:05*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*04/11/19 15:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*04/11/19 15:05*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*04/11/19 15:05*	*1*

Client Sample ID: MW 5

Lab Sample ID: 500-161057-5

Date Collected: 04/02/19 15:14

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<8.7		50	8.7	ug/L			04/11/19 15:30	5
Benzene	<0.73		2.5	0.73	ug/L			04/11/19 15:30	5
Bromobenzene	<1.8		5.0	1.8	ug/L			04/11/19 15:30	5
Bromochloromethane	<2.1		5.0	2.1	ug/L			04/11/19 15:30	5
Bromodichloromethane	<1.9		5.0	1.9	ug/L			04/11/19 15:30	5
Bromoform	<2.4		5.0	2.4	ug/L			04/11/19 15:30	5
Bromomethane	<4.0		15	4.0	ug/L			04/11/19 15:30	5
2-Butanone (MEK)	<11		25	11	ug/L			04/11/19 15:30	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			04/11/19 15:30	5
Chlorobenzene	<1.9		5.0	1.9	ug/L			04/11/19 15:30	5
Chloroethane	<2.5		5.0	2.5	ug/L			04/11/19 15:30	5
Chloroform	<1.9		10	1.9	ug/L			04/11/19 15:30	5
Chloromethane	<1.6		5.0	1.6	ug/L			04/11/19 15:30	5
2-Chlorotoluene	<1.6		5.0	1.6	ug/L			04/11/19 15:30	5
4-Chlorotoluene	<1.7		5.0	1.7	ug/L			04/11/19 15:30	5
cis-1,2-Dichloroethene	**940**		5.0	2.0	ug/L			04/11/19 15:30	5
cis-1,3-Dichloropropene	<2.1		5.0	2.1	ug/L			04/11/19 15:30	5
Dibromochloromethane	<2.4		5.0	2.4	ug/L			04/11/19 15:30	5
1,2-Dibromo-3-Chloropropane	<10		25	10	ug/L			04/11/19 15:30	5
1,2-Dibromoethane	<1.9		5.0	1.9	ug/L			04/11/19 15:30	5
Dibromomethane	<1.4		5.0	1.4	ug/L			04/11/19 15:30	5
1,2-Dichlorobenzene	<1.7		5.0	1.7	ug/L			04/11/19 15:30	5
1,3-Dichlorobenzene	<2.0		5.0	2.0	ug/L			04/11/19 15:30	5
1,4-Dichlorobenzene	<1.8		5.0	1.8	ug/L			04/11/19 15:30	5
Dichlorodifluoromethane	<3.4		15	3.4	ug/L			04/11/19 15:30	5
1,1-Dichloroethane	<2.1		5.0	2.1	ug/L			04/11/19 15:30	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			04/11/19 15:30	5

Client Sample ID: MW 5

Date Collected: 04/02/19 15:14
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<2.0		5.0	2.0	ug/L			04/11/19 15:30	5
1,2-Dichloropropane	<2.1		5.0	2.1	ug/L			04/11/19 15:30	5
1,3-Dichloropropane	<1.8		5.0	1.8	ug/L			04/11/19 15:30	5
2,2-Dichloropropane	<2.2		5.0	2.2	ug/L			04/11/19 15:30	5
1,1-Dichloropropene	<1.5		5.0	1.5	ug/L			04/11/19 15:30	5
Ethylbenzene	**1.1**	**J**	2.5	0.92	ug/L			04/11/19 15:30	5
Hexachlorobutadiene	<2.2		5.0	2.2	ug/L			04/11/19 15:30	5
2-Hexanone	<7.8		25	7.8	ug/L			04/11/19 15:30	5
Isopropylbenzene	<1.9		5.0	1.9	ug/L			04/11/19 15:30	5
Isopropyl ether	<1.4		5.0	1.4	ug/L			04/11/19 15:30	5
Methylene Chloride	<8.2		25	8.2	ug/L			04/11/19 15:30	5
4-Methyl-2-pentanone (MIBK)	<11		25	11	ug/L			04/11/19 15:30	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			04/11/19 15:30	5
Naphthalene	<1.7		5.0	1.7	ug/L			04/11/19 15:30	5
n-Butylbenzene	<1.9		5.0	1.9	ug/L			04/11/19 15:30	5
N-Propylbenzene	<2.1		5.0	2.1	ug/L			04/11/19 15:30	5
p-Isopropyltoluene	<1.8		5.0	1.8	ug/L			04/11/19 15:30	5
sec-Butylbenzene	<2.0		5.0	2.0	ug/L			04/11/19 15:30	5
Styrene	<1.9		5.0	1.9	ug/L			04/11/19 15:30	5
tert-Butylbenzene	<2.0		5.0	2.0	ug/L			04/11/19 15:30	5
1,1,1,2-Tetrachloroethane	<2.3		5.0	2.3	ug/L			04/11/19 15:30	5
1,1,2,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			04/11/19 15:30	5
Tetrachloroethene	<1.9		5.0	1.9	ug/L			04/11/19 15:30	5
Tetrahydrofuran	<9.4		50	9.4	ug/L			04/11/19 15:30	5
Toluene	<0.76		2.5	0.76	ug/L			04/11/19 15:30	5
trans-1,2-Dichloroethene	**13**		5.0	1.7	ug/L			04/11/19 15:30	5
trans-1,3-Dichloropropene	<1.8		5.0	1.8	ug/L			04/11/19 15:30	5
1,2,3-Trichlorobenzene	<2.3		5.0	2.3	ug/L			04/11/19 15:30	5
1,2,4-Trichlorobenzene	<1.7		5.0	1.7	ug/L			04/11/19 15:30	5
1,1,1-Trichloroethane	**3.7**	**J**	5.0	1.9	ug/L			04/11/19 15:30	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			04/11/19 15:30	5
Trichlorofluoromethane	<2.1		5.0	2.1	ug/L			04/11/19 15:30	5
1,2,3-Trichloropropane	<2.1		10	2.1	ug/L			04/11/19 15:30	5
1,2,4-Trimethylbenzene	**3.2**	**J**	5.0	1.8	ug/L			04/11/19 15:30	5
1,3,5-Trimethylbenzene	<1.3		5.0	1.3	ug/L			04/11/19 15:30	5
Vinyl chloride	**1.3**	**J**	5.0	1.0	ug/L			04/11/19 15:30	5
Xylenes, Total	**9.9**		5.0	1.1	ug/L			04/11/19 15:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*04/11/19 15:30*	*5*
Dibromofluoromethane	*95*		*75 - 120*		*04/11/19 15:30*	*5*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*04/11/19 15:30*	*5*
Toluene-d8 (Surr)	*93*		*75 - 120*		*04/11/19 15:30*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1500**		25	8.2	ug/L			04/11/19 15:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*04/11/19 15:55*	*50*

Client Sample ID: MW 5

Lab Sample ID: 500-161057-5

Date Collected: 04/02/19 15:14

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*92*		*75 - 120*		*04/11/19 15:55*	*50*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*04/11/19 15:55*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*		*04/11/19 15:55*	*50*

Client Sample ID: MW 4

Lab Sample ID: 500-161057-6

Date Collected: 04/02/19 13:49

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 16:20	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 16:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 16:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 16:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 16:20	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 16:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 16:20	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 16:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 16:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 16:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 16:20	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 16:20	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 16:20	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 16:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 16:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/11/19 16:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 16:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 16:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 16:20	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 16:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 16:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 16:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 16:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 16:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 16:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 16:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 16:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 16:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 16:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 16:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 16:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 16:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 16:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 16:20	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 16:20	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 16:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 16:20	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 16:20	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 16:20	1

Client Sample ID: MW 4

Lab Sample ID: 500-161057-6

Date Collected: 04/02/19 13:49

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 16:20	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 16:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 16:20	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 16:20	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 16:20	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 16:20	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 16:20	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 16:20	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 16:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 16:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 16:20	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 16:20	1
Toluene	<0.15		0.50	0.15	ug/L			04/11/19 16:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/11/19 16:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 16:20	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 16:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 16:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 16:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 16:20	1
Trichloroethene	**46**		0.50	0.16	ug/L			04/11/19 16:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 16:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 16:20	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 16:20	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 16:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 16:20	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*04/11/19 16:20*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*04/11/19 16:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*04/11/19 16:20*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*04/11/19 16:20*	*1*

Client Sample ID: MW 3

Lab Sample ID: 500-161057-7

Date Collected: 04/03/19 10:36

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17		100	17	ug/L			04/11/19 16:45	10
Benzene	<1.5		5.0	1.5	ug/L			04/11/19 16:45	10
Bromobenzene	<3.6		10	3.6	ug/L			04/11/19 16:45	10
Bromochloromethane	<4.3		10	4.3	ug/L			04/11/19 16:45	10
Bromodichloromethane	<3.7		10	3.7	ug/L			04/11/19 16:45	10
Bromoform	<4.8		10	4.8	ug/L			04/11/19 16:45	10
Bromomethane	<8.0		30	8.0	ug/L			04/11/19 16:45	10
2-Butanone (MEK)	<21		50	21	ug/L			04/11/19 16:45	10
Carbon tetrachloride	<3.8		10	3.8	ug/L			04/11/19 16:45	10
Chlorobenzene	<3.9		10	3.9	ug/L			04/11/19 16:45	10
Chloroethane	<5.1		10	5.1	ug/L			04/11/19 16:45	10

Client Sample ID: MW 3
Date Collected: 04/03/19 10:36
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<3.7		20	3.7	ug/L			04/11/19 16:45	10
Chloromethane	<3.2		10	3.2	ug/L			04/11/19 16:45	10
2-Chlorotoluene	<3.1		10	3.1	ug/L			04/11/19 16:45	10
4-Chlorotoluene	<3.5		10	3.5	ug/L			04/11/19 16:45	10
cis-1,2-Dichloroethene	<4.1		10	4.1	ug/L			04/11/19 16:45	10
cis-1,3-Dichloropropene	<4.2		10	4.2	ug/L			04/11/19 16:45	10
Dibromochloromethane	<4.9		10	4.9	ug/L			04/11/19 16:45	10
1,2-Dibromo-3-Chloropropane	<20		50	20	ug/L			04/11/19 16:45	10
1,2-Dibromoethane	<3.9		10	3.9	ug/L			04/11/19 16:45	10
Dibromomethane	<2.7		10	2.7	ug/L			04/11/19 16:45	10
1,2-Dichlorobenzene	<3.3		10	3.3	ug/L			04/11/19 16:45	10
1,3-Dichlorobenzene	<4.0		10	4.0	ug/L			04/11/19 16:45	10
1,4-Dichlorobenzene	<3.6		10	3.6	ug/L			04/11/19 16:45	10
Dichlorodifluoromethane	<6.7		30	6.7	ug/L			04/11/19 16:45	10
1,1-Dichloroethane	<4.1		10	4.1	ug/L			04/11/19 16:45	10
1,2-Dichloroethane	<3.9		10	3.9	ug/L			04/11/19 16:45	10
1,1-Dichloroethene	<3.9		10	3.9	ug/L			04/11/19 16:45	10
1,2-Dichloropropane	<4.3		10	4.3	ug/L			04/11/19 16:45	10
1,3-Dichloropropane	<3.6		10	3.6	ug/L			04/11/19 16:45	10
2,2-Dichloropropane	<4.4		10	4.4	ug/L			04/11/19 16:45	10
1,1-Dichloropropene	<3.0		10	3.0	ug/L			04/11/19 16:45	10
Ethylbenzene	<1.8		5.0	1.8	ug/L			04/11/19 16:45	10
Hexachlorobutadiene	<4.5		10	4.5	ug/L			04/11/19 16:45	10
2-Hexanone	<16		50	16	ug/L			04/11/19 16:45	10
Isopropylbenzene	<3.9		10	3.9	ug/L			04/11/19 16:45	10
Isopropyl ether	<2.8		10	2.8	ug/L			04/11/19 16:45	10
Methylene Chloride	<16		50	16	ug/L			04/11/19 16:45	10
4-Methyl-2-pentanone (MIBK)	<22		50	22	ug/L			04/11/19 16:45	10
Methyl tert-butyl ether	<3.9		10	3.9	ug/L			04/11/19 16:45	10
Naphthalene	<3.4		10	3.4	ug/L			04/11/19 16:45	10
n-Butylbenzene	<3.9		10	3.9	ug/L			04/11/19 16:45	10
N-Propylbenzene	<4.1		10	4.1	ug/L			04/11/19 16:45	10
p-Isopropyltoluene	<3.6		10	3.6	ug/L			04/11/19 16:45	10
sec-Butylbenzene	<4.0		10	4.0	ug/L			04/11/19 16:45	10
Styrene	<3.9		10	3.9	ug/L			04/11/19 16:45	10
tert-Butylbenzene	<4.0		10	4.0	ug/L			04/11/19 16:45	10
1,1,1,2-Tetrachloroethane	<4.6		10	4.6	ug/L			04/11/19 16:45	10
1,1,2,2-Tetrachloroethane	<4.0		10	4.0	ug/L			04/11/19 16:45	10
Tetrachloroethene	<3.7		10	3.7	ug/L			04/11/19 16:45	10
Tetrahydrofuran	<19		100	19	ug/L			04/11/19 16:45	10
Toluene	<1.5		5.0	1.5	ug/L			04/11/19 16:45	10
trans-1,2-Dichloroethene	<3.5		10	3.5	ug/L			04/11/19 16:45	10
trans-1,3-Dichloropropene	<3.6		10	3.6	ug/L			04/11/19 16:45	10
1,2,3-Trichlorobenzene	<4.6		10	4.6	ug/L			04/11/19 16:45	10
1,2,4-Trichlorobenzene	<3.4		10	3.4	ug/L			04/11/19 16:45	10
1,1,1-Trichloroethane	<3.8		10	3.8	ug/L			04/11/19 16:45	10
1,1,2-Trichloroethane	<3.5		10	3.5	ug/L			04/11/19 16:45	10
Trichlorofluoromethane	<4.3		10	4.3	ug/L			04/11/19 16:45	10
1,2,3-Trichloropropane	<4.1		20	4.1	ug/L			04/11/19 16:45	10

Client Sample ID: MW 3

Lab Sample ID: 500-161057-7

Date Collected: 04/03/19 10:36

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<3.6		10	3.6	ug/L			04/11/19 16:45	10
1,3,5-Trimethylbenzene	<2.5		10	2.5	ug/L			04/11/19 16:45	10
Vinyl chloride	<2.0		10	2.0	ug/L			04/11/19 16:45	10
Xylenes, Total	<2.2		10	2.2	ug/L			04/11/19 16:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*04/11/19 16:45*	*10*
Dibromofluoromethane	*92*		*75 - 120*		*04/11/19 16:45*	*10*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*04/11/19 16:45*	*10*
Toluene-d8 (Surr)	*93*		*75 - 120*		*04/11/19 16:45*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**4000**		50	16	ug/L			04/11/19 17:10	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*04/11/19 17:10*	*100*
Dibromofluoromethane	*93*		*75 - 120*		*04/11/19 17:10*	*100*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*04/11/19 17:10*	*100*
Toluene-d8 (Surr)	*92*		*75 - 120*		*04/11/19 17:10*	*100*

Client Sample ID: MW 43D

Lab Sample ID: 500-161057-8

Date Collected: 04/03/19 12:01

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.5		20	3.5	ug/L			04/11/19 17:36	2
Benzene	<0.29		1.0	0.29	ug/L			04/11/19 17:36	2
Bromobenzene	<0.71		2.0	0.71	ug/L			04/11/19 17:36	2
Bromochloromethane	<0.86		2.0	0.86	ug/L			04/11/19 17:36	2
Bromodichloromethane	<0.74		2.0	0.74	ug/L			04/11/19 17:36	2
Bromoform	<0.97		2.0	0.97	ug/L			04/11/19 17:36	2
Bromomethane	<1.6		6.0	1.6	ug/L			04/11/19 17:36	2
2-Butanone (MEK)	<4.2		10	4.2	ug/L			04/11/19 17:36	2
Carbon tetrachloride	<0.77		2.0	0.77	ug/L			04/11/19 17:36	2
Chlorobenzene	<0.77		2.0	0.77	ug/L			04/11/19 17:36	2
Chloroethane	<1.0		2.0	1.0	ug/L			04/11/19 17:36	2
Chloroform	<0.74		4.0	0.74	ug/L			04/11/19 17:36	2
Chloromethane	<0.64		2.0	0.64	ug/L			04/11/19 17:36	2
2-Chlorotoluene	<0.63		2.0	0.63	ug/L			04/11/19 17:36	2
4-Chlorotoluene	<0.70		2.0	0.70	ug/L			04/11/19 17:36	2
cis-1,2-Dichloroethene	<0.82		2.0	0.82	ug/L			04/11/19 17:36	2
cis-1,3-Dichloropropene	<0.83		2.0	0.83	ug/L			04/11/19 17:36	2
Dibromochloromethane	<0.98		2.0	0.98	ug/L			04/11/19 17:36	2
1,2-Dibromo-3-Chloropropane	<4.0		10	4.0	ug/L			04/11/19 17:36	2
1,2-Dibromoethane	<0.77		2.0	0.77	ug/L			04/11/19 17:36	2
Dibromomethane	<0.54		2.0	0.54	ug/L			04/11/19 17:36	2
1,2-Dichlorobenzene	<0.67		2.0	0.67	ug/L			04/11/19 17:36	2
1,3-Dichlorobenzene	<0.80		2.0	0.80	ug/L			04/11/19 17:36	2
1,4-Dichlorobenzene	<0.73		2.0	0.73	ug/L			04/11/19 17:36	2

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 43D
Date Collected: 04/03/19 12:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.3		6.0	1.3	ug/L			04/11/19 17:36	2
1,1-Dichloroethane	<0.82		2.0	0.82	ug/L			04/11/19 17:36	2
1,2-Dichloroethane	<0.78		2.0	0.78	ug/L			04/11/19 17:36	2
1,1-Dichloroethene	<0.78		2.0	0.78	ug/L			04/11/19 17:36	2
1,2-Dichloropropane	<0.86		2.0	0.86	ug/L			04/11/19 17:36	2
1,3-Dichloropropane	<0.72		2.0	0.72	ug/L			04/11/19 17:36	2
2,2-Dichloropropane	<0.89		2.0	0.89	ug/L			04/11/19 17:36	2
1,1-Dichloropropene	<0.59		2.0	0.59	ug/L			04/11/19 17:36	2
Ethylbenzene	<0.37		1.0	0.37	ug/L			04/11/19 17:36	2
Hexachlorobutadiene	<0.89		2.0	0.89	ug/L			04/11/19 17:36	2
2-Hexanone	<3.1		10	3.1	ug/L			04/11/19 17:36	2
Isopropylbenzene	<0.77		2.0	0.77	ug/L			04/11/19 17:36	2
Isopropyl ether	<0.55		2.0	0.55	ug/L			04/11/19 17:36	2
Methylene Chloride	<3.3		10	3.3	ug/L			04/11/19 17:36	2
4-Methyl-2-pentanone (MIBK)	<4.3		10	4.3	ug/L			04/11/19 17:36	2
Methyl tert-butyl ether	<0.79		2.0	0.79	ug/L			04/11/19 17:36	2
Naphthalene	<0.67		2.0	0.67	ug/L			04/11/19 17:36	2
n-Butylbenzene	<0.78		2.0	0.78	ug/L			04/11/19 17:36	2
N-Propylbenzene	<0.83		2.0	0.83	ug/L			04/11/19 17:36	2
p-Isopropyltoluene	<0.72		2.0	0.72	ug/L			04/11/19 17:36	2
sec-Butylbenzene	<0.80		2.0	0.80	ug/L			04/11/19 17:36	2
Styrene	<0.77		2.0	0.77	ug/L			04/11/19 17:36	2
tert-Butylbenzene	<0.80		2.0	0.80	ug/L			04/11/19 17:36	2
1,1,1,2-Tetrachloroethane	<0.92		2.0	0.92	ug/L			04/11/19 17:36	2
1,1,2,2-Tetrachloroethane	<0.80		2.0	0.80	ug/L			04/11/19 17:36	2
Tetrachloroethene	<0.74		2.0	0.74	ug/L			04/11/19 17:36	2
Tetrahydrofuran	<3.8		20	3.8	ug/L			04/11/19 17:36	2
Toluene	<0.30		1.0	0.30	ug/L			04/11/19 17:36	2
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			04/11/19 17:36	2
trans-1,3-Dichloropropene	<0.72		2.0	0.72	ug/L			04/11/19 17:36	2
1,2,3-Trichlorobenzene	<0.92		2.0	0.92	ug/L			04/11/19 17:36	2
1,2,4-Trichlorobenzene	<0.68		2.0	0.68	ug/L			04/11/19 17:36	2
1,1,1-Trichloroethane	<0.76		2.0	0.76	ug/L			04/11/19 17:36	2
1,1,2-Trichloroethane	<0.70		2.0	0.70	ug/L			04/11/19 17:36	2
Trichlorofluoromethane	<0.85		2.0	0.85	ug/L			04/11/19 17:36	2
1,2,3-Trichloropropane	<0.83		4.0	0.83	ug/L			04/11/19 17:36	2
1,2,4-Trimethylbenzene	<0.72		2.0	0.72	ug/L			04/11/19 17:36	2
1,3,5-Trimethylbenzene	<0.51		2.0	0.51	ug/L			04/11/19 17:36	2
Vinyl chloride	<0.41		2.0	0.41	ug/L			04/11/19 17:36	2
Xylenes, Total	<0.44		2.0	0.44	ug/L			04/11/19 17:36	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*04/11/19 17:36*	*2*
Dibromofluoromethane	*93*		*75 - 120*		*04/11/19 17:36*	*2*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*04/11/19 17:36*	*2*
Toluene-d8 (Surr)	*94*		*75 - 120*		*04/11/19 17:36*	*2*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**880**		10	3.3	ug/L			04/11/19 18:01	20

Client Sample ID: MW 43D

Date Collected: 04/03/19 12:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-8
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*04/11/19 18:01*	*20*
Dibromofluoromethane	*97*		*75 - 120*		*04/11/19 18:01*	*20*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*04/11/19 18:01*	*20*
Toluene-d8 (Surr)	*89*		*75 - 120*		*04/11/19 18:01*	*20*

Client Sample ID: MW 6

Date Collected: 04/03/19 09:46
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<35		200	35	ug/L			04/11/19 18:26	20
Benzene	<2.9		10	2.9	ug/L			04/11/19 18:26	20
Bromobenzene	<7.1		20	7.1	ug/L			04/11/19 18:26	20
Bromochloromethane	<8.6		20	8.6	ug/L			04/11/19 18:26	20
Bromodichloromethane	<7.4		20	7.4	ug/L			04/11/19 18:26	20
Bromoform	<9.7		20	9.7	ug/L			04/11/19 18:26	20
Bromomethane	<16		60	16	ug/L			04/11/19 18:26	20
2-Butanone (MEK)	<42		100	42	ug/L			04/11/19 18:26	20
Carbon tetrachloride	<7.7		20	7.7	ug/L			04/11/19 18:26	20
Chlorobenzene	**36**		20	7.7	ug/L			04/11/19 18:26	20
Chloroethane	<10		20	10	ug/L			04/11/19 18:26	20
Chloroform	<7.4		40	7.4	ug/L			04/11/19 18:26	20
Chloromethane	<6.4		20	6.4	ug/L			04/11/19 18:26	20
2-Chlorotoluene	<6.3		20	6.3	ug/L			04/11/19 18:26	20
4-Chlorotoluene	<7.0		20	7.0	ug/L			04/11/19 18:26	20
cis-1,2-Dichloroethene	<8.2		20	8.2	ug/L			04/11/19 18:26	20
cis-1,3-Dichloropropene	<8.3		20	8.3	ug/L			04/11/19 18:26	20
Dibromochloromethane	<9.8		20	9.8	ug/L			04/11/19 18:26	20
1,2-Dibromo-3-Chloropropane	<40		100	40	ug/L			04/11/19 18:26	20
1,2-Dibromoethane	<7.7		20	7.7	ug/L			04/11/19 18:26	20
Dibromomethane	<5.4		20	5.4	ug/L			04/11/19 18:26	20
1,2-Dichlorobenzene	<6.7		20	6.7	ug/L			04/11/19 18:26	20
1,3-Dichlorobenzene	<8.0		20	8.0	ug/L			04/11/19 18:26	20
1,4-Dichlorobenzene	<7.3		20	7.3	ug/L			04/11/19 18:26	20
Dichlorodifluoromethane	<13		60	13	ug/L			04/11/19 18:26	20
1,1-Dichloroethane	<8.2		20	8.2	ug/L			04/11/19 18:26	20
1,2-Dichloroethane	<7.8		20	7.8	ug/L			04/11/19 18:26	20
1,1-Dichloroethene	<7.8		20	7.8	ug/L			04/11/19 18:26	20
1,2-Dichloropropane	<8.6		20	8.6	ug/L			04/11/19 18:26	20
1,3-Dichloropropane	<7.2		20	7.2	ug/L			04/11/19 18:26	20
2,2-Dichloropropane	<8.9		20	8.9	ug/L			04/11/19 18:26	20
1,1-Dichloropropene	<5.9		20	5.9	ug/L			04/11/19 18:26	20
Ethylbenzene	<3.7		10	3.7	ug/L			04/11/19 18:26	20
Hexachlorobutadiene	<8.9		20	8.9	ug/L			04/11/19 18:26	20
2-Hexanone	<31		100	31	ug/L			04/11/19 18:26	20
Isopropylbenzene	<7.7		20	7.7	ug/L			04/11/19 18:26	20
Isopropyl ether	<5.5		20	5.5	ug/L			04/11/19 18:26	20
Methylene Chloride	<33		100	33	ug/L			04/11/19 18:26	20
4-Methyl-2-pentanone (MIBK)	<43		100	43	ug/L			04/11/19 18:26	20

Client Sample ID: MW 6

Lab Sample ID: 500-161057-9

Date Collected: 04/03/19 09:46

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	<7.9		20	7.9	ug/L			04/11/19 18:26	20
Naphthalene	<6.7		20	6.7	ug/L			04/11/19 18:26	20
n-Butylbenzene	<7.8		20	7.8	ug/L			04/11/19 18:26	20
N-Propylbenzene	<8.3		20	8.3	ug/L			04/11/19 18:26	20
p-Isopropyltoluene	<7.2		20	7.2	ug/L			04/11/19 18:26	20
sec-Butylbenzene	<8.0		20	8.0	ug/L			04/11/19 18:26	20
Styrene	<7.7		20	7.7	ug/L			04/11/19 18:26	20
tert-Butylbenzene	<8.0		20	8.0	ug/L			04/11/19 18:26	20
1,1,1,2-Tetrachloroethane	<9.2		20	9.2	ug/L			04/11/19 18:26	20
1,1,2,2-Tetrachloroethane	<8.0		20	8.0	ug/L			04/11/19 18:26	20
Tetrachloroethene	<7.4		20	7.4	ug/L			04/11/19 18:26	20
Tetrahydrofuran	<38		200	38	ug/L			04/11/19 18:26	20
Toluene	<3.0		10	3.0	ug/L			04/11/19 18:26	20
trans-1,2-Dichloroethene	<7.0		20	7.0	ug/L			04/11/19 18:26	20
trans-1,3-Dichloropropene	<7.2		20	7.2	ug/L			04/11/19 18:26	20
1,2,3-Trichlorobenzene	<9.2		20	9.2	ug/L			04/11/19 18:26	20
1,2,4-Trichlorobenzene	<6.8		20	6.8	ug/L			04/11/19 18:26	20
1,1,1-Trichloroethane	<7.6		20	7.6	ug/L			04/11/19 18:26	20
1,1,2-Trichloroethane	<7.0		20	7.0	ug/L			04/11/19 18:26	20
Trichlorofluoromethane	<8.5		20	8.5	ug/L			04/11/19 18:26	20
1,2,3-Trichloropropane	<8.3		40	8.3	ug/L			04/11/19 18:26	20
1,2,4-Trimethylbenzene	<7.2		20	7.2	ug/L			04/11/19 18:26	20
1,3,5-Trimethylbenzene	<5.1		20	5.1	ug/L			04/11/19 18:26	20
Vinyl chloride	<4.1		20	4.1	ug/L			04/11/19 18:26	20
Xylenes, Total	<4.4		20	4.4	ug/L			04/11/19 18:26	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*04/11/19 18:26*	*20*
Dibromofluoromethane	*92*		*75 - 120*		*04/11/19 18:26*	*20*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*04/11/19 18:26*	*20*
Toluene-d8 (Surr)	*91*		*75 - 120*		*04/11/19 18:26*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**7800**		100	33	ug/L			04/11/19 18:51	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*04/11/19 18:51*	*200*
Dibromofluoromethane	*100*		*75 - 120*		*04/11/19 18:51*	*200*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*04/11/19 18:51*	*200*
Toluene-d8 (Surr)	*112*		*75 - 120*		*04/11/19 18:51*	*200*

Client Sample ID: MW 35D

Lab Sample ID: 500-161057-10

Date Collected: 04/02/19 10:01

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 11:32	1
Benzene	**0.33**	**J**	0.50	0.15	ug/L			04/11/19 11:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 11:32	1

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 35D
Date Collected: 04/02/19 10:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 11:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 11:32	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 11:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 11:32	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 11:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 11:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 11:32	1
Chloroethane	**8.4**		1.0	0.51	ug/L			04/11/19 11:32	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 11:32	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 11:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 11:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 11:32	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.41	ug/L			04/11/19 11:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 11:32	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 11:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 11:32	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 11:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 11:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 11:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 11:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 11:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 11:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 11:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 11:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 11:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 11:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 11:32	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 11:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 11:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 11:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 11:32	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 11:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 11:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 11:32	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 11:32	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 11:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 11:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 11:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 11:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 11:32	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 11:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 11:32	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 11:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 11:32	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 11:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 11:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 11:32	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 11:32	1
Toluene	**0.31**	**J**	0.50	0.15	ug/L			04/11/19 11:32	1

Client Sample ID: MW 35D

Lab Sample ID: 500-161057-10

Date Collected: 04/02/19 10:01

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 11:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 11:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 11:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 11:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 11:32	1
Trichloroethene	**0.23**	**J**	0.50	0.16	ug/L			04/11/19 11:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 11:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 11:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 11:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 11:32	1
Vinyl chloride	**1.2**		1.0	0.20	ug/L			04/11/19 11:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*04/11/19 11:32*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*04/11/19 11:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*04/11/19 11:32*	*1*
Toluene-d8 (Surr)	*106*		*75 - 120*		*04/11/19 11:32*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	**300**		10	3.5	ug/L			04/11/19 11:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*04/11/19 11:58*	*10*
Dibromofluoromethane	*94*		*75 - 120*		*04/11/19 11:58*	*10*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*04/11/19 11:58*	*10*
Toluene-d8 (Surr)	*106*		*75 - 120*		*04/11/19 11:58*	*10*

Client Sample ID: TB

Lab Sample ID: 500-161057-11

Date Collected: 04/02/19 00:00

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 11:07	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 11:07	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 11:07	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 11:07	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 11:07	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 11:07	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 11:07	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 11:07	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 11:07	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 11:07	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 11:07	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 11:07	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 11:07	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 11:07	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 11:07	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/11/19 11:07	1

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: TB
Date Collected: 04/02/19 00:00
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 11:07	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 11:07	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 11:07	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 11:07	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 11:07	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 11:07	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 11:07	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 11:07	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 11:07	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 11:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 11:07	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 11:07	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 11:07	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 11:07	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 11:07	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 11:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 11:07	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 11:07	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 11:07	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 11:07	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 11:07	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 11:07	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 11:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 11:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 11:07	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 11:07	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 11:07	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 11:07	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 11:07	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 11:07	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 11:07	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 11:07	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 11:07	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 11:07	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 11:07	1
Toluene	<0.15		0.50	0.15	ug/L			04/11/19 11:07	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/11/19 11:07	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 11:07	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 11:07	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 11:07	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 11:07	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 11:07	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/11/19 11:07	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 11:07	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 11:07	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 11:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 11:07	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 11:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 11:07	1

Client Sample ID: TB

Date Collected: 04/02/19 00:00
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		72 - 124		04/11/19 11:07	1
Dibromofluoromethane	93		75 - 120		04/11/19 11:07	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		04/11/19 11:07	1
Toluene-d8 (Surr)	106		75 - 120		04/11/19 11:07	1

Client Sample ID: 01FB

Date Collected: 04/02/19 13:00
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 12:23	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 12:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 12:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 12:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 12:23	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 12:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 12:23	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 12:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 12:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 12:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 12:23	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 12:23	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 12:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 12:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 12:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/11/19 12:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 12:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 12:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 12:23	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 12:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 12:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 12:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 12:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 12:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 12:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 12:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 12:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 12:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 12:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 12:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 12:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 12:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 12:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 12:23	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 12:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 12:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 12:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 12:23	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 12:23	1

Client Sample ID: 01FB

Lab Sample ID: 500-161057-12

Date Collected: 04/02/19 13:00

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 12:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 12:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 12:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 12:23	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 12:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 12:23	1
Styrene	<0.39	F1	1.0	0.39	ug/L			04/11/19 12:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 12:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 12:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 12:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 12:23	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 12:23	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			04/11/19 12:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/11/19 12:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 12:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 12:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 12:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 12:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 12:23	1
Trichloroethene	**0.27**	**J**	0.50	0.16	ug/L			04/11/19 12:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 12:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 12:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 12:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 12:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 12:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*04/11/19 12:23*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*04/11/19 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*04/11/19 12:23*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*04/11/19 12:23*	*1*

Client Sample ID: 02FB

Lab Sample ID: 500-161057-13

Date Collected: 04/03/19 10:20

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 12:49	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 12:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 12:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 12:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 12:49	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 12:49	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 12:49	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 12:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 12:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 12:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 12:49	1

Client Sample ID: 02FB
Date Collected: 04/03/19 10:20
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 12:49	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 12:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 12:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 12:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/11/19 12:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 12:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 12:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 12:49	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 12:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 12:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 12:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 12:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 12:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 12:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 12:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 12:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 12:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 12:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 12:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 12:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 12:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 12:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 12:49	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 12:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 12:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 12:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 12:49	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 12:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 12:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 12:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 12:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 12:49	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 12:49	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 12:49	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 12:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 12:49	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 12:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 12:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 12:49	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 12:49	1
Toluene	**0.16**	**J**	0.50	0.15	ug/L			04/11/19 12:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/11/19 12:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 12:49	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 12:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 12:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 12:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 12:49	1
Trichloroethene	**0.22**	**J**	0.50	0.16	ug/L			04/11/19 12:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 12:49	1

Client Sample ID: 02FB

Date Collected: 04/03/19 10:20
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 12:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 12:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 12:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 12:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*04/11/19 12:49*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*04/11/19 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*04/11/19 12:49*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*04/11/19 12:49*	*1*

Client Sample ID: Tote 1

Date Collected: 04/03/19 12:00
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**20**	**J**	100	17	ug/L			04/11/19 13:14	10
Benzene	<1.5		5.0	1.5	ug/L			04/11/19 13:14	10
Bromobenzene	<3.6		10	3.6	ug/L			04/11/19 13:14	10
Bromochloromethane	<4.3		10	4.3	ug/L			04/11/19 13:14	10
Bromodichloromethane	<3.7		10	3.7	ug/L			04/11/19 13:14	10
Bromoform	<4.8		10	4.8	ug/L			04/11/19 13:14	10
Bromomethane	<8.0		30	8.0	ug/L			04/11/19 13:14	10
2-Butanone (MEK)	<21		50	21	ug/L			04/11/19 13:14	10
Carbon tetrachloride	<3.8		10	3.8	ug/L			04/11/19 13:14	10
Chlorobenzene	<3.9		10	3.9	ug/L			04/11/19 13:14	10
Chloroethane	<5.1		10	5.1	ug/L			04/11/19 13:14	10
Chloroform	<3.7		20	3.7	ug/L			04/11/19 13:14	10
Chloromethane	<3.2		10	3.2	ug/L			04/11/19 13:14	10
2-Chlorotoluene	<3.1		10	3.1	ug/L			04/11/19 13:14	10
4-Chlorotoluene	<3.5		10	3.5	ug/L			04/11/19 13:14	10
cis-1,2-Dichloroethene	**1200**		10	4.1	ug/L			04/11/19 13:14	10
cis-1,3-Dichloropropene	<4.2		10	4.2	ug/L			04/11/19 13:14	10
Dibromochloromethane	<4.9		10	4.9	ug/L			04/11/19 13:14	10
1,2-Dibromo-3-Chloropropane	<20		50	20	ug/L			04/11/19 13:14	10
1,2-Dibromoethane	<3.9		10	3.9	ug/L			04/11/19 13:14	10
Dibromomethane	<2.7		10	2.7	ug/L			04/11/19 13:14	10
1,2-Dichlorobenzene	<3.3		10	3.3	ug/L			04/11/19 13:14	10
1,3-Dichlorobenzene	<4.0		10	4.0	ug/L			04/11/19 13:14	10
1,4-Dichlorobenzene	<3.6		10	3.6	ug/L			04/11/19 13:14	10
Dichlorodifluoromethane	<6.7		30	6.7	ug/L			04/11/19 13:14	10
1,1-Dichloroethane	<4.1		10	4.1	ug/L			04/11/19 13:14	10
1,2-Dichloroethane	<3.9		10	3.9	ug/L			04/11/19 13:14	10
1,1-Dichloroethene	<3.9		10	3.9	ug/L			04/11/19 13:14	10
1,2-Dichloropropane	<4.3		10	4.3	ug/L			04/11/19 13:14	10
1,3-Dichloropropane	<3.6		10	3.6	ug/L			04/11/19 13:14	10
2,2-Dichloropropane	<4.4		10	4.4	ug/L			04/11/19 13:14	10
1,1-Dichloropropene	<3.0		10	3.0	ug/L			04/11/19 13:14	10

Client Sample ID: Tote 1
Date Collected: 04/03/19 12:00
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<1.8		5.0	1.8	ug/L			04/11/19 13:14	10
Hexachlorobutadiene	<4.5		10	4.5	ug/L			04/11/19 13:14	10
2-Hexanone	<16		50	16	ug/L			04/11/19 13:14	10
Isopropylbenzene	<3.9		10	3.9	ug/L			04/11/19 13:14	10
Isopropyl ether	<2.8		10	2.8	ug/L			04/11/19 13:14	10
Methylene Chloride	<16		50	16	ug/L			04/11/19 13:14	10
4-Methyl-2-pentanone (MIBK)	<22		50	22	ug/L			04/11/19 13:14	10
Methyl tert-butyl ether	<3.9		10	3.9	ug/L			04/11/19 13:14	10
Naphthalene	<3.4		10	3.4	ug/L			04/11/19 13:14	10
n-Butylbenzene	<3.9		10	3.9	ug/L			04/11/19 13:14	10
N-Propylbenzene	<4.1		10	4.1	ug/L			04/11/19 13:14	10
p-Isopropyltoluene	<3.6		10	3.6	ug/L			04/11/19 13:14	10
sec-Butylbenzene	<4.0		10	4.0	ug/L			04/11/19 13:14	10
Styrene	<3.9		10	3.9	ug/L			04/11/19 13:14	10
tert-Butylbenzene	<4.0		10	4.0	ug/L			04/11/19 13:14	10
1,1,1,2-Tetrachloroethane	<4.6		10	4.6	ug/L			04/11/19 13:14	10
1,1,2,2-Tetrachloroethane	<4.0		10	4.0	ug/L			04/11/19 13:14	10
Tetrachloroethene	<3.7		10	3.7	ug/L			04/11/19 13:14	10
Tetrahydrofuran	<19		100	19	ug/L			04/11/19 13:14	10
Toluene	**3.6**	**J**	5.0	1.5	ug/L			04/11/19 13:14	10
trans-1,2-Dichloroethene	**14**		10	3.5	ug/L			04/11/19 13:14	10
trans-1,3-Dichloropropene	<3.6		10	3.6	ug/L			04/11/19 13:14	10
1,2,3-Trichlorobenzene	<4.6		10	4.6	ug/L			04/11/19 13:14	10
1,2,4-Trichlorobenzene	<3.4		10	3.4	ug/L			04/11/19 13:14	10
1,1,1-Trichloroethane	<3.8		10	3.8	ug/L			04/11/19 13:14	10
1,1,2-Trichloroethane	<3.5		10	3.5	ug/L			04/11/19 13:14	10
Trichlorofluoromethane	<4.3		10	4.3	ug/L			04/11/19 13:14	10
1,2,3-Trichloropropane	<4.1		20	4.1	ug/L			04/11/19 13:14	10
1,2,4-Trimethylbenzene	<3.6		10	3.6	ug/L			04/11/19 13:14	10
1,3,5-Trimethylbenzene	<2.5		10	2.5	ug/L			04/11/19 13:14	10
Vinyl chloride	**15**		10	2.0	ug/L			04/11/19 13:14	10
Xylenes, Total	<2.2		10	2.2	ug/L			04/11/19 13:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*04/11/19 13:14*	*10*
Dibromofluoromethane	*91*		*75 - 120*		*04/11/19 13:14*	*10*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*04/11/19 13:14*	*10*
Toluene-d8 (Surr)	*105*		*75 - 120*		*04/11/19 13:14*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**4400**		50	16	ug/L			04/11/19 13:39	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*04/11/19 13:39*	*100*
Dibromofluoromethane	*90*		*75 - 120*		*04/11/19 13:39*	*100*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*04/11/19 13:39*	*100*
Toluene-d8 (Surr)	*105*		*75 - 120*		*04/11/19 13:39*	*100*

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 4 DUP

Date Collected: 04/02/19 13:49
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-15

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 14:05	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 14:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 14:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 14:05	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 14:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 14:05	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 14:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 14:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 14:05	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 14:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 14:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 14:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 14:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/11/19 14:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 14:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 14:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 14:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 14:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 14:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 14:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 14:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 14:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 14:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 14:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 14:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 14:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 14:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 14:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 14:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 14:05	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 14:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 14:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 14:05	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 14:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 14:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 14:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 14:05	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 14:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:05	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 14:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:05	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 14:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 14:05	1

Client Sample ID: MW 4 DUP

Lab Sample ID: 500-161057-15

Date Collected: 04/02/19 13:49

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 14:05	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 14:05	1
Toluene	<0.15		0.50	0.15	ug/L			04/11/19 14:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/11/19 14:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 14:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 14:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 14:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 14:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 14:05	1
Trichloroethene	**45**		0.50	0.16	ug/L			04/11/19 14:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 14:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 14:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 14:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 14:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*04/11/19 14:05*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*04/11/19 14:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*04/11/19 14:05*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*04/11/19 14:05*	*1*

Client Sample ID: MW 28D DUP

Lab Sample ID: 500-161057-16

Date Collected: 04/02/19 14:01

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 14:31	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 14:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 14:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 14:31	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 14:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 14:31	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 14:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 14:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 14:31	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 14:31	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 14:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 14:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 14:31	1
cis-1,2-Dichloroethene	**19**		1.0	0.41	ug/L			04/11/19 14:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 14:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 14:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 14:31	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 14:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 14:31	1

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 28D DUP

Date Collected: 04/02/19 14:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-16

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 14:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 14:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 14:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 14:31	1
1,1-Dichloroethene	**0.90**	**J**	1.0	0.39	ug/L			04/11/19 14:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 14:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 14:31	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 14:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 14:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 14:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 14:31	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 14:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 14:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 14:31	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 14:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 14:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 14:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 14:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 14:31	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 14:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:31	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 14:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 14:31	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 14:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 14:31	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 14:31	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 14:31	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			04/11/19 14:31	1
trans-1,2-Dichloroethene	**6.7**		1.0	0.35	ug/L			04/11/19 14:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 14:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 14:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 14:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 14:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 14:31	1
Trichloroethene	**190**		0.50	0.16	ug/L			04/11/19 14:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 14:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 14:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 14:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 14:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 14:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*04/11/19 14:31*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*04/11/19 14:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*04/11/19 14:31*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*04/11/19 14:31*	*1*

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 28D

Date Collected: 04/02/19 14:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 15:21	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 15:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 15:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 15:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 15:21	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 15:21	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 15:21	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 15:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 15:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 15:21	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 15:21	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 15:21	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 15:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 15:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 15:21	1
cis-1,2-Dichloroethene	**19**		1.0	0.41	ug/L			04/11/19 15:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 15:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 15:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 15:21	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 15:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 15:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 15:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 15:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 15:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 15:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 15:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 15:21	1
1,1-Dichloroethene	**0.91**	**J**	1.0	0.39	ug/L			04/11/19 15:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 15:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 15:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 15:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 15:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 15:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 15:21	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 15:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 15:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 15:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 15:21	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 15:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 15:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 15:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 15:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 15:21	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 15:21	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 15:21	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 15:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 15:21	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 15:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 15:21	1

Client Sample ID: MW 28D

Date Collected: 04/02/19 14:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-17
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 15:21	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 15:21	1
Toluene	**0.16**	**J**	0.50	0.15	ug/L			04/11/19 15:21	1
trans-1,2-Dichloroethene	**6.9**		1.0	0.35	ug/L			04/11/19 15:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 15:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 15:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 15:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 15:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 15:21	1
Trichloroethene	**200**		0.50	0.16	ug/L			04/11/19 15:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 15:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 15:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 15:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 15:21	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 15:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*04/11/19 15:21*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*04/11/19 15:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*04/11/19 15:21*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*04/11/19 15:21*	*1*

Client Sample ID: MW 20C

Date Collected: 04/02/19 15:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 16:13	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 16:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 16:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 16:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 16:13	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 16:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 16:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 16:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 16:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 16:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 16:13	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 16:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 16:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 16:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 16:13	1
cis-1,2-Dichloroethene	**9.0**		1.0	0.41	ug/L			04/11/19 16:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 16:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 16:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 16:13	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 16:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 16:13	1

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 20C
Date Collected: 04/02/19 15:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 16:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 16:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 16:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 16:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 16:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 16:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 16:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 16:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 16:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 16:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 16:13	1
Ethylbenzene	**1.4**		0.50	0.18	ug/L			04/11/19 16:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 16:13	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 16:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 16:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 16:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 16:13	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 16:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 16:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 16:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 16:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 16:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 16:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 16:13	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 16:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 16:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 16:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 16:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 16:13	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 16:13	1
Toluene	**3.2**		0.50	0.15	ug/L			04/11/19 16:13	1
trans-1,2-Dichloroethene	**1.3**		1.0	0.35	ug/L			04/11/19 16:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 16:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 16:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 16:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 16:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 16:13	1
Trichloroethene	**160**		0.50	0.16	ug/L			04/11/19 16:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 16:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 16:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 16:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 16:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 16:13	1
Xylenes, Total	**5.9**		1.0	0.22	ug/L			04/11/19 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*04/11/19 16:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*04/11/19 16:38*	*10*
Dibromofluoromethane	*92*		*75 - 120*		*04/11/19 16:13*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*04/11/19 16:38*	*10*

Client Sample ID: MW 20C

Lab Sample ID: 500-161057-18

Date Collected: 04/02/19 15:01

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*04/11/19 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*04/11/19 16:38*	*10*
Toluene-d8 (Surr)	*104*		*75 - 120*		*04/11/19 16:13*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*04/11/19 16:38*	*10*

Client Sample ID: MW 9

Lab Sample ID: 500-161057-19

Date Collected: 04/02/19 10:30

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<350		2000	350	ug/L			04/12/19 13:36	200
Benzene	<29		100	29	ug/L			04/12/19 13:36	200
Bromobenzene	<71		200	71	ug/L			04/12/19 13:36	200
Bromochloromethane	<86		200	86	ug/L			04/12/19 13:36	200
Bromodichloromethane	<74		200	74	ug/L			04/12/19 13:36	200
Bromoform	<97		200	97	ug/L			04/12/19 13:36	200
Bromomethane	<160		600	160	ug/L			04/12/19 13:36	200
2-Butanone (MEK)	<420		1000	420	ug/L			04/12/19 13:36	200
Carbon tetrachloride	<77		200	77	ug/L			04/12/19 13:36	200
Chlorobenzene	<77		200	77	ug/L			04/12/19 13:36	200
Chloroethane	<100		200	100	ug/L			04/12/19 13:36	200
Chloroform	<74		400	74	ug/L			04/12/19 13:36	200
Chloromethane	<64		200	64	ug/L			04/12/19 13:36	200
2-Chlorotoluene	<63		200	63	ug/L			04/12/19 13:36	200
4-Chlorotoluene	<70		200	70	ug/L			04/12/19 13:36	200
cis-1,2-Dichloroethene	**11000**		200	82	ug/L			04/12/19 13:36	200
cis-1,3-Dichloropropene	<83		200	83	ug/L			04/12/19 13:36	200
Dibromochloromethane	<98		200	98	ug/L			04/12/19 13:36	200
1,2-Dibromo-3-Chloropropane	<400		1000	400	ug/L			04/12/19 13:36	200
1,2-Dibromoethane	<77		200	77	ug/L			04/12/19 13:36	200
Dibromomethane	<54		200	54	ug/L			04/12/19 13:36	200
1,2-Dichlorobenzene	<67		200	67	ug/L			04/12/19 13:36	200
1,3-Dichlorobenzene	<80		200	80	ug/L			04/12/19 13:36	200
1,4-Dichlorobenzene	<73		200	73	ug/L			04/12/19 13:36	200
Dichlorodifluoromethane	<130		600	130	ug/L			04/12/19 13:36	200
1,1-Dichloroethane	<82		200	82	ug/L			04/12/19 13:36	200
1,2-Dichloroethane	<78		200	78	ug/L			04/12/19 13:36	200
1,1-Dichloroethene	<78		200	78	ug/L			04/12/19 13:36	200
1,2-Dichloropropane	<86		200	86	ug/L			04/12/19 13:36	200
1,3-Dichloropropane	<72		200	72	ug/L			04/12/19 13:36	200
2,2-Dichloropropane	<89		200	89	ug/L			04/12/19 13:36	200
1,1-Dichloropropene	<59		200	59	ug/L			04/12/19 13:36	200
Ethylbenzene	<37		100	37	ug/L			04/12/19 13:36	200
Hexachlorobutadiene	<89		200	89	ug/L			04/12/19 13:36	200
2-Hexanone	<310		1000	310	ug/L			04/12/19 13:36	200
Isopropylbenzene	<77		200	77	ug/L			04/12/19 13:36	200
Isopropyl ether	<55		200	55	ug/L			04/12/19 13:36	200
Methylene Chloride	<330		1000	330	ug/L			04/12/19 13:36	200

Client Sample ID: MW 9

Date Collected: 04/02/19 10:30
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-19
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	<430		1000	430	ug/L			04/12/19 13:36	200
Methyl tert-butyl ether	<79		200	79	ug/L			04/12/19 13:36	200
Naphthalene	<67		200	67	ug/L			04/12/19 13:36	200
n-Butylbenzene	<78		200	78	ug/L			04/12/19 13:36	200
N-Propylbenzene	<83		200	83	ug/L			04/12/19 13:36	200
p-Isopropyltoluene	<72		200	72	ug/L			04/12/19 13:36	200
sec-Butylbenzene	<80		200	80	ug/L			04/12/19 13:36	200
Styrene	<77		200	77	ug/L			04/12/19 13:36	200
tert-Butylbenzene	<80		200	80	ug/L			04/12/19 13:36	200
1,1,1,2-Tetrachloroethane	<92		200	92	ug/L			04/12/19 13:36	200
1,1,2,2-Tetrachloroethane	<80		200	80	ug/L			04/12/19 13:36	200
Tetrachloroethene	<74		200	74	ug/L			04/12/19 13:36	200
Tetrahydrofuran	<380		2000	380	ug/L			04/12/19 13:36	200
Toluene	<30		100	30	ug/L			04/12/19 13:36	200
trans-1,2-Dichloroethene	<70		200	70	ug/L			04/12/19 13:36	200
trans-1,3-Dichloropropene	<72		200	72	ug/L			04/12/19 13:36	200
1,2,3-Trichlorobenzene	<92		200	92	ug/L			04/12/19 13:36	200
1,2,4-Trichlorobenzene	**92**	**J B**	200	68	ug/L			04/12/19 13:36	200
1,1,1-Trichloroethane	<76		200	76	ug/L			04/12/19 13:36	200
1,1,2-Trichloroethane	<70		200	70	ug/L			04/12/19 13:36	200
Trichlorofluoromethane	<85		200	85	ug/L			04/12/19 13:36	200
1,2,3-Trichloropropane	<83		400	83	ug/L			04/12/19 13:36	200
1,2,4-Trimethylbenzene	<72		200	72	ug/L			04/12/19 13:36	200
1,3,5-Trimethylbenzene	<51		200	51	ug/L			04/12/19 13:36	200
Vinyl chloride	<41		200	41	ug/L			04/12/19 13:36	200
Xylenes, Total	<44		200	44	ug/L			04/12/19 13:36	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*04/12/19 13:36*	*200*
Dibromofluoromethane	*99*		*75 - 120*		*04/12/19 13:36*	*200*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*04/12/19 13:36*	*200*
Toluene-d8 (Surr)	*99*		*75 - 120*		*04/12/19 13:36*	*200*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**110000**		500	160	ug/L			04/11/19 19:11	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*04/11/19 19:11*	*1000*
Dibromofluoromethane	*94*		*75 - 120*		*04/11/19 19:11*	*1000*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*04/11/19 19:11*	*1000*
Toluene-d8 (Surr)	*104*		*75 - 120*		*04/11/19 19:11*	*1000*

Client Sample ID: PW 16

Date Collected: 04/02/19 15:40
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-20
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 17:04	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 17:04	1

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: PW 16
Date Collected: 04/02/19 15:40
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-20
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 17:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 17:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 17:04	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 17:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 17:04	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 17:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 17:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 17:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 17:04	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 17:04	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 17:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 17:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 17:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/11/19 17:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 17:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 17:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 17:04	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 17:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 17:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 17:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 17:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 17:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 17:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 17:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 17:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 17:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 17:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 17:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 17:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 17:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 17:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 17:04	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 17:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 17:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 17:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 17:04	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 17:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 17:04	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 17:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 17:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 17:04	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 17:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 17:04	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 17:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 17:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 17:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 17:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 17:04	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 17:04	1

Client Sample ID: PW 16

Lab Sample ID: 500-161057-20

Date Collected: 04/02/19 15:40
Matrix: Water
Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			04/11/19 17:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/11/19 17:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 17:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 17:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 17:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 17:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 17:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/11/19 17:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 17:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 17:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 17:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 17:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 17:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*04/11/19 17:04*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*04/11/19 17:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*04/11/19 17:04*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*04/11/19 17:04*	*1*

Client Sample ID: MW 40D

Lab Sample ID: 500-161057-21

Date Collected: 04/02/19 11:06
Matrix: Water
Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<8.7		50	8.7	ug/L			04/11/19 17:29	5
Benzene	<0.73		2.5	0.73	ug/L			04/11/19 17:29	5
Bromobenzene	<1.8		5.0	1.8	ug/L			04/11/19 17:29	5
Bromochloromethane	<2.1		5.0	2.1	ug/L			04/11/19 17:29	5
Bromodichloromethane	<1.9		5.0	1.9	ug/L			04/11/19 17:29	5
Bromoform	<2.4		5.0	2.4	ug/L			04/11/19 17:29	5
Bromomethane	<4.0		15	4.0	ug/L			04/11/19 17:29	5
2-Butanone (MEK)	<11		25	11	ug/L			04/11/19 17:29	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			04/11/19 17:29	5
Chlorobenzene	<1.9		5.0	1.9	ug/L			04/11/19 17:29	5
Chloroethane	<2.5		5.0	2.5	ug/L			04/11/19 17:29	5
Chloroform	<1.9		10	1.9	ug/L			04/11/19 17:29	5
Chloromethane	<1.6		5.0	1.6	ug/L			04/11/19 17:29	5
2-Chlorotoluene	<1.6		5.0	1.6	ug/L			04/11/19 17:29	5
4-Chlorotoluene	<1.7		5.0	1.7	ug/L			04/11/19 17:29	5
cis-1,3-Dichloropropene	<2.1		5.0	2.1	ug/L			04/11/19 17:29	5
Dibromochloromethane	<2.4		5.0	2.4	ug/L			04/11/19 17:29	5
1,2-Dibromo-3-Chloropropane	<10		25	10	ug/L			04/11/19 17:29	5
1,2-Dibromoethane	<1.9		5.0	1.9	ug/L			04/11/19 17:29	5
Dibromomethane	<1.4		5.0	1.4	ug/L			04/11/19 17:29	5
1,2-Dichlorobenzene	<1.7		5.0	1.7	ug/L			04/11/19 17:29	5
1,3-Dichlorobenzene	<2.0		5.0	2.0	ug/L			04/11/19 17:29	5
1,4-Dichlorobenzene	<1.8		5.0	1.8	ug/L			04/11/19 17:29	5

Client Sample ID: MW 40D
Date Collected: 04/02/19 11:06
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-21
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<3.4		15	3.4	ug/L			04/11/19 17:29	5
1,1-Dichloroethane	<2.1		5.0	2.1	ug/L			04/11/19 17:29	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			04/11/19 17:29	5
1,1-Dichloroethene	<2.0		5.0	2.0	ug/L			04/11/19 17:29	5
1,2-Dichloropropane	<2.1		5.0	2.1	ug/L			04/11/19 17:29	5
1,3-Dichloropropane	<1.8		5.0	1.8	ug/L			04/11/19 17:29	5
2,2-Dichloropropane	<2.2		5.0	2.2	ug/L			04/11/19 17:29	5
1,1-Dichloropropene	<1.5		5.0	1.5	ug/L			04/11/19 17:29	5
Ethylbenzene	<0.92		2.5	0.92	ug/L			04/11/19 17:29	5
Hexachlorobutadiene	<2.2		5.0	2.2	ug/L			04/11/19 17:29	5
2-Hexanone	<7.8		25	7.8	ug/L			04/11/19 17:29	5
Isopropylbenzene	<1.9		5.0	1.9	ug/L			04/11/19 17:29	5
Isopropyl ether	<1.4		5.0	1.4	ug/L			04/11/19 17:29	5
Methylene Chloride	<8.2		25	8.2	ug/L			04/11/19 17:29	5
4-Methyl-2-pentanone (MIBK)	<11		25	11	ug/L			04/11/19 17:29	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			04/11/19 17:29	5
Naphthalene	<1.7		5.0	1.7	ug/L			04/11/19 17:29	5
n-Butylbenzene	<1.9		5.0	1.9	ug/L			04/11/19 17:29	5
N-Propylbenzene	<2.1		5.0	2.1	ug/L			04/11/19 17:29	5
p-Isopropyltoluene	<1.8		5.0	1.8	ug/L			04/11/19 17:29	5
sec-Butylbenzene	<2.0		5.0	2.0	ug/L			04/11/19 17:29	5
Styrene	<1.9		5.0	1.9	ug/L			04/11/19 17:29	5
tert-Butylbenzene	<2.0		5.0	2.0	ug/L			04/11/19 17:29	5
1,1,1,2-Tetrachloroethane	<2.3		5.0	2.3	ug/L			04/11/19 17:29	5
1,1,2,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			04/11/19 17:29	5
Tetrachloroethene	<1.9		5.0	1.9	ug/L			04/11/19 17:29	5
Tetrahydrofuran	<9.4		50	9.4	ug/L			04/11/19 17:29	5
Toluene	<0.76		2.5	0.76	ug/L			04/11/19 17:29	5
trans-1,2-Dichloroethene	**28**		5.0	1.7	ug/L			04/11/19 17:29	5
trans-1,3-Dichloropropene	<1.8		5.0	1.8	ug/L			04/11/19 17:29	5
1,2,3-Trichlorobenzene	<2.3		5.0	2.3	ug/L			04/11/19 17:29	5
1,2,4-Trichlorobenzene	<1.7		5.0	1.7	ug/L			04/11/19 17:29	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			04/11/19 17:29	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			04/11/19 17:29	5
Trichlorofluoromethane	<2.1		5.0	2.1	ug/L			04/11/19 17:29	5
1,2,3-Trichloropropane	<2.1		10	2.1	ug/L			04/11/19 17:29	5
1,2,4-Trimethylbenzene	<1.8		5.0	1.8	ug/L			04/11/19 17:29	5
1,3,5-Trimethylbenzene	<1.3		5.0	1.3	ug/L			04/11/19 17:29	5
Vinyl chloride	**67**		5.0	1.0	ug/L			04/11/19 17:29	5
Xylenes, Total	<1.1		5.0	1.1	ug/L			04/11/19 17:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*04/11/19 17:29*	*5*
Dibromofluoromethane	*95*		*75 - 120*		*04/11/19 17:29*	*5*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*04/11/19 17:29*	*5*
Toluene-d8 (Surr)	*103*		*75 - 120*		*04/11/19 17:29*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**1500**		50	20	ug/L			04/11/19 17:55	50

Client Sample ID: MW 40D

Lab Sample ID: 500-161057-21

Date Collected: 04/02/19 11:06

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1300**		25	8.2	ug/L			04/11/19 17:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*04/11/19 17:55*	*50*
Dibromofluoromethane	*94*		*75 - 120*		*04/11/19 17:55*	*50*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*04/11/19 17:55*	*50*
Toluene-d8 (Surr)	*104*		*75 - 120*		*04/11/19 17:55*	*50*

Client Sample ID: MW 45D

Lab Sample ID: 500-161057-22

Date Collected: 04/01/19 13:26

Matrix: Water

Date Received: 04/04/19 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/12/19 14:02	1
Benzene	<0.15		0.50	0.15	ug/L			04/12/19 14:02	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/12/19 14:02	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/12/19 14:02	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/12/19 14:02	1
Bromoform	<0.48		1.0	0.48	ug/L			04/12/19 14:02	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/12/19 14:02	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/12/19 14:02	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/12/19 14:02	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/12/19 14:02	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/12/19 14:02	1
Chloroform	<0.37		2.0	0.37	ug/L			04/12/19 14:02	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/12/19 14:02	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/12/19 14:02	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/12/19 14:02	1
cis-1,2-Dichloroethene	**170**		1.0	0.41	ug/L			04/12/19 14:02	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/12/19 14:02	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/12/19 14:02	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/12/19 14:02	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/12/19 14:02	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/12/19 14:02	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/12/19 14:02	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/12/19 14:02	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/12/19 14:02	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/12/19 14:02	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/12/19 14:02	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/12/19 14:02	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/12/19 14:02	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/12/19 14:02	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/12/19 14:02	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/12/19 14:02	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/12/19 14:02	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/12/19 14:02	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/12/19 14:02	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/12/19 14:02	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/12/19 14:02	1

Client Sample ID: MW 45D

Date Collected: 04/01/19 13:26
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-22

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/12/19 14:02	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/12/19 14:02	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/12/19 14:02	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/12/19 14:02	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/12/19 14:02	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/12/19 14:02	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/12/19 14:02	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/12/19 14:02	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/19 14:02	1
Styrene	<0.39		1.0	0.39	ug/L			04/12/19 14:02	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/19 14:02	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/12/19 14:02	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/12/19 14:02	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/12/19 14:02	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/12/19 14:02	1
Toluene	<0.15		0.50	0.15	ug/L			04/12/19 14:02	1
trans-1,2-Dichloroethene	**16**		1.0	0.35	ug/L			04/12/19 14:02	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/12/19 14:02	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/12/19 14:02	1
1,2,4-Trichlorobenzene	**0.44**	**J B**	1.0	0.34	ug/L			04/12/19 14:02	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/12/19 14:02	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/12/19 14:02	1
Trichloroethene	**200**		0.50	0.16	ug/L			04/12/19 14:02	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/12/19 14:02	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/12/19 14:02	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/12/19 14:02	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/12/19 14:02	1
Vinyl chloride	**9.4**		1.0	0.20	ug/L			04/12/19 14:02	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/12/19 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*04/12/19 14:02*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*04/12/19 14:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*04/12/19 14:02*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*04/12/19 14:02*	*1*

Client Sample ID: MW 44D

Date Collected: 04/01/19 10:56
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-23

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/12/19 14:28	1
Benzene	<0.15		0.50	0.15	ug/L			04/12/19 14:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/12/19 14:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/12/19 14:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/12/19 14:28	1
Bromoform	<0.48		1.0	0.48	ug/L			04/12/19 14:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/12/19 14:28	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/12/19 14:28	1

Client Sample ID: MW 44D
Date Collected: 04/01/19 10:56
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-23
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/12/19 14:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/12/19 14:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/12/19 14:28	1
Chloroform	<0.37		2.0	0.37	ug/L			04/12/19 14:28	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/12/19 14:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/12/19 14:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/12/19 14:28	1
cis-1,2-Dichloroethene	**51**		1.0	0.41	ug/L			04/12/19 14:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/12/19 14:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/12/19 14:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/12/19 14:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/12/19 14:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/12/19 14:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/12/19 14:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/12/19 14:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/12/19 14:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/12/19 14:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/12/19 14:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/12/19 14:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/12/19 14:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/12/19 14:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/12/19 14:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/12/19 14:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/12/19 14:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/12/19 14:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/12/19 14:28	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/12/19 14:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/12/19 14:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/12/19 14:28	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/12/19 14:28	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/12/19 14:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/12/19 14:28	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/12/19 14:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/12/19 14:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/12/19 14:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/12/19 14:28	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/19 14:28	1
Styrene	<0.39		1.0	0.39	ug/L			04/12/19 14:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/19 14:28	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/12/19 14:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/12/19 14:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/12/19 14:28	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/12/19 14:28	1
Toluene	<0.15		0.50	0.15	ug/L			04/12/19 14:28	1
trans-1,2-Dichloroethene	**30**		1.0	0.35	ug/L			04/12/19 14:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/12/19 14:28	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/12/19 14:28	1
1,2,4-Trichlorobenzene	**0.41**	**J B**	1.0	0.34	ug/L			04/12/19 14:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/12/19 14:28	1

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 44D

Date Collected: 04/01/19 10:56
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-23

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/12/19 14:28	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/12/19 14:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/12/19 14:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/12/19 14:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/12/19 14:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/12/19 14:28	1
Vinyl chloride	**20**		1.0	0.20	ug/L			04/12/19 14:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/12/19 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*04/12/19 14:28*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*04/12/19 14:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*04/12/19 14:28*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*04/12/19 14:28*	*1*

Client Sample ID: MW 36D

Date Collected: 04/01/19 12:16
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/12/19 14:55	1
Benzene	<0.15		0.50	0.15	ug/L			04/12/19 14:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/12/19 14:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/12/19 14:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/12/19 14:55	1
Bromoform	<0.48		1.0	0.48	ug/L			04/12/19 14:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/12/19 14:55	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/12/19 14:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/12/19 14:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/12/19 14:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/12/19 14:55	1
Chloroform	<0.37		2.0	0.37	ug/L			04/12/19 14:55	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/12/19 14:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/12/19 14:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/12/19 14:55	1
cis-1,2-Dichloroethene	**46**		1.0	0.41	ug/L			04/12/19 14:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/12/19 14:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/12/19 14:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/12/19 14:55	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/12/19 14:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/12/19 14:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/12/19 14:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/12/19 14:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/12/19 14:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/12/19 14:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/12/19 14:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/12/19 14:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/12/19 14:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/12/19 14:55	1

Client Sample ID: MW 36D

Date Collected: 04/01/19 12:16
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/12/19 14:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/12/19 14:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/12/19 14:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/12/19 14:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/12/19 14:55	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/12/19 14:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/12/19 14:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/12/19 14:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/12/19 14:55	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/12/19 14:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/12/19 14:55	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/12/19 14:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/12/19 14:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/12/19 14:55	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/12/19 14:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/19 14:55	1
Styrene	<0.39		1.0	0.39	ug/L			04/12/19 14:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/19 14:55	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/12/19 14:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/12/19 14:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/12/19 14:55	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/12/19 14:55	1
Toluene	<0.15		0.50	0.15	ug/L			04/12/19 14:55	1
trans-1,2-Dichloroethene	**29**		1.0	0.35	ug/L			04/12/19 14:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/12/19 14:55	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/12/19 14:55	1
1,2,4-Trichlorobenzene	**0.50**	**J B**	1.0	0.34	ug/L			04/12/19 14:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/12/19 14:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/12/19 14:55	1
Trichloroethene	**15**		0.50	0.16	ug/L			04/12/19 14:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/12/19 14:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/12/19 14:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/12/19 14:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/12/19 14:55	1
Vinyl chloride	**9.1**		1.0	0.20	ug/L			04/12/19 14:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/12/19 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*04/12/19 14:55*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*04/12/19 14:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*04/12/19 14:55*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*04/12/19 14:55*	*1*

Client Sample ID: MW 46D

Date Collected: 04/01/19 15:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/12/19 15:21	1

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 46D
Date Collected: 04/01/19 15:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-25
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			04/12/19 15:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/12/19 15:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/12/19 15:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/12/19 15:21	1
Bromoform	<0.48		1.0	0.48	ug/L			04/12/19 15:21	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/12/19 15:21	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/12/19 15:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/12/19 15:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/12/19 15:21	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/12/19 15:21	1
Chloroform	<0.37		2.0	0.37	ug/L			04/12/19 15:21	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/12/19 15:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/12/19 15:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/12/19 15:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/12/19 15:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/12/19 15:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/12/19 15:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/12/19 15:21	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/12/19 15:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/12/19 15:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/12/19 15:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/12/19 15:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/12/19 15:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/12/19 15:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/12/19 15:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/12/19 15:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/12/19 15:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/12/19 15:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/12/19 15:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/12/19 15:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/12/19 15:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/12/19 15:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/12/19 15:21	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/12/19 15:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/12/19 15:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/12/19 15:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/12/19 15:21	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/12/19 15:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/12/19 15:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/12/19 15:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/12/19 15:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/12/19 15:21	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/12/19 15:21	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/19 15:21	1
Styrene	<0.39		1.0	0.39	ug/L			04/12/19 15:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/19 15:21	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/12/19 15:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/12/19 15:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/12/19 15:21	1

Client Sample ID: MW 46D

Date Collected: 04/01/19 15:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-25
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/12/19 15:21	1
Toluene	<0.15		0.50	0.15	ug/L			04/12/19 15:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/12/19 15:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/12/19 15:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/12/19 15:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/12/19 15:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/12/19 15:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/12/19 15:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/12/19 15:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/12/19 15:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/12/19 15:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/12/19 15:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/12/19 15:21	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/12/19 15:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/12/19 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*04/12/19 15:21*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*04/12/19 15:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*04/12/19 15:21*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*04/12/19 15:21*	*1*

Client Sample ID: MW 1C

Date Collected: 04/02/19 13:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-26
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<87		500	87	ug/L			04/12/19 15:47	50
Benzene	<7.3		25	7.3	ug/L			04/12/19 15:47	50
Bromobenzene	<18		50	18	ug/L			04/12/19 15:47	50
Bromochloromethane	<21		50	21	ug/L			04/12/19 15:47	50
Bromodichloromethane	<19		50	19	ug/L			04/12/19 15:47	50
Bromoform	<24		50	24	ug/L			04/12/19 15:47	50
Bromomethane	<40		150	40	ug/L			04/12/19 15:47	50
2-Butanone (MEK)	<110		250	110	ug/L			04/12/19 15:47	50
Carbon tetrachloride	<19		50	19	ug/L			04/12/19 15:47	50
Chlorobenzene	<19		50	19	ug/L			04/12/19 15:47	50
Chloroethane	<25		50	25	ug/L			04/12/19 15:47	50
Chloroform	<19		100	19	ug/L			04/12/19 15:47	50
Chloromethane	<16		50	16	ug/L			04/12/19 15:47	50
2-Chlorotoluene	<16		50	16	ug/L			04/12/19 15:47	50
4-Chlorotoluene	<17		50	17	ug/L			04/12/19 15:47	50
cis-1,2-Dichloroethene	**3700**		50	20	ug/L			04/12/19 15:47	50
cis-1,3-Dichloropropene	<21		50	21	ug/L			04/12/19 15:47	50
Dibromochloromethane	<24		50	24	ug/L			04/12/19 15:47	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/L			04/12/19 15:47	50
1,2-Dibromoethane	<19		50	19	ug/L			04/12/19 15:47	50
Dibromomethane	<14		50	14	ug/L			04/12/19 15:47	50
1,2-Dichlorobenzene	<17		50	17	ug/L			04/12/19 15:47	50

Client Sample ID: MW 1C
Date Collected: 04/02/19 13:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-26
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	<20		50	20	ug/L			04/12/19 15:47	50
1,4-Dichlorobenzene	<18		50	18	ug/L			04/12/19 15:47	50
Dichlorodifluoromethane	<34		150	34	ug/L			04/12/19 15:47	50
1,1-Dichloroethane	<21		50	21	ug/L			04/12/19 15:47	50
1,2-Dichloroethane	<20		50	20	ug/L			04/12/19 15:47	50
1,1-Dichloroethene	<20		50	20	ug/L			04/12/19 15:47	50
1,2-Dichloropropane	<21		50	21	ug/L			04/12/19 15:47	50
1,3-Dichloropropane	<18		50	18	ug/L			04/12/19 15:47	50
2,2-Dichloropropane	<22		50	22	ug/L			04/12/19 15:47	50
1,1-Dichloropropene	<15		50	15	ug/L			04/12/19 15:47	50
Ethylbenzene	<9.2		25	9.2	ug/L			04/12/19 15:47	50
Hexachlorobutadiene	<22		50	22	ug/L			04/12/19 15:47	50
2-Hexanone	<78		250	78	ug/L			04/12/19 15:47	50
Isopropylbenzene	<19		50	19	ug/L			04/12/19 15:47	50
Isopropyl ether	<14		50	14	ug/L			04/12/19 15:47	50
Methylene Chloride	<82		250	82	ug/L			04/12/19 15:47	50
4-Methyl-2-pentanone (MIBK)	<110		250	110	ug/L			04/12/19 15:47	50
Methyl tert-butyl ether	<20		50	20	ug/L			04/12/19 15:47	50
Naphthalene	<17		50	17	ug/L			04/12/19 15:47	50
n-Butylbenzene	<19		50	19	ug/L			04/12/19 15:47	50
N-Propylbenzene	<21		50	21	ug/L			04/12/19 15:47	50
p-Isopropyltoluene	<18		50	18	ug/L			04/12/19 15:47	50
sec-Butylbenzene	<20		50	20	ug/L			04/12/19 15:47	50
Styrene	<19		50	19	ug/L			04/12/19 15:47	50
tert-Butylbenzene	<20		50	20	ug/L			04/12/19 15:47	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/L			04/12/19 15:47	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/L			04/12/19 15:47	50
Tetrachloroethene	<19		50	19	ug/L			04/12/19 15:47	50
Tetrahydrofuran	<94		500	94	ug/L			04/12/19 15:47	50
Toluene	<7.6		25	7.6	ug/L			04/12/19 15:47	50
trans-1,2-Dichloroethene	**560**		50	17	ug/L			04/12/19 15:47	50
trans-1,3-Dichloropropene	<18		50	18	ug/L			04/12/19 15:47	50
1,2,3-Trichlorobenzene	<23		50	23	ug/L			04/12/19 15:47	50
1,2,4-Trichlorobenzene	<17		50	17	ug/L			04/12/19 15:47	50
1,1,1-Trichloroethane	<19		50	19	ug/L			04/12/19 15:47	50
1,1,2-Trichloroethane	<18		50	18	ug/L			04/12/19 15:47	50
Trichlorofluoromethane	<21		50	21	ug/L			04/12/19 15:47	50
1,2,3-Trichloropropane	<21		100	21	ug/L			04/12/19 15:47	50
1,2,4-Trimethylbenzene	<18		50	18	ug/L			04/12/19 15:47	50
1,3,5-Trimethylbenzene	<13		50	13	ug/L			04/12/19 15:47	50
Vinyl chloride	**270**		50	10	ug/L			04/12/19 15:47	50
Xylenes, Total	<11		50	11	ug/L			04/12/19 15:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*04/12/19 15:47*	*50*
Dibromofluoromethane	*102*		*75 - 120*		*04/12/19 15:47*	*50*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*04/12/19 15:47*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*		*04/12/19 15:47*	*50*

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 1C
Date Collected: 04/02/19 13:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-26
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	11000		250	82	ug/L			04/12/19 16:13	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*04/12/19 16:13*	*500*
Dibromofluoromethane	*102*		*75 - 120*		*04/12/19 16:13*	*500*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*04/12/19 16:13*	*500*
Toluene-d8 (Surr)	*97*		*75 - 120*		*04/12/19 16:13*	*500*

Definitions/Glossary

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Analysis Batch: 479989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-161057-1	MW 19C	Total/NA	Water	8260B	
500-161057-1 - DL	MW 19C	Total/NA	Water	8260B	
500-161057-2	MW 26C	Total/NA	Water	8260B	
500-161057-3	MW 8	Total/NA	Water	8260B	
500-161057-4	MW 7	Total/NA	Water	8260B	
500-161057-5	MW 5	Total/NA	Water	8260B	
500-161057-5 - DL	MW 5	Total/NA	Water	8260B	
500-161057-6	MW 4	Total/NA	Water	8260B	
500-161057-7	MW 3	Total/NA	Water	8260B	
500-161057-7 - DL	MW 3	Total/NA	Water	8260B	
500-161057-8	MW 43D	Total/NA	Water	8260B	
500-161057-8 - DL	MW 43D	Total/NA	Water	8260B	
500-161057-9	MW 6	Total/NA	Water	8260B	
500-161057-9 - DL	MW 6	Total/NA	Water	8260B	
MB 500-479989/6	Method Blank	Total/NA	Water	8260B	
LCS 500-479989/7	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 479994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-161057-10	MW 35D	Total/NA	Water	8260B	
500-161057-10 - DL	MW 35D	Total/NA	Water	8260B	
500-161057-11	TB	Total/NA	Water	8260B	
500-161057-12	01FB	Total/NA	Water	8260B	
500-161057-13	02FB	Total/NA	Water	8260B	
500-161057-14	Tote 1	Total/NA	Water	8260B	
500-161057-14 - DL	Tote 1	Total/NA	Water	8260B	
500-161057-15	MW 4 DUP	Total/NA	Water	8260B	
500-161057-16	MW 28D DUP	Total/NA	Water	8260B	
500-161057-17	MW 28D	Total/NA	Water	8260B	
500-161057-18	MW 20C	Total/NA	Water	8260B	
500-161057-18	MW 20C	Total/NA	Water	8260B	
500-161057-19 - DL	MW 9	Total/NA	Water	8260B	
500-161057-20	PW 16	Total/NA	Water	8260B	
500-161057-21	MW 40D	Total/NA	Water	8260B	
500-161057-21 - DL	MW 40D	Total/NA	Water	8260B	
MB 500-479994/6	Method Blank	Total/NA	Water	8260B	
LCS 500-479994/4	Lab Control Sample	Total/NA	Water	8260B	
500-161057-12 MS	01FB	Total/NA	Water	8260B	
500-161057-12 MSD	01FB	Total/NA	Water	8260B	

Analysis Batch: 480189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-161057-19	MW 9	Total/NA	Water	8260B	
500-161057-22	MW 45D	Total/NA	Water	8260B	
500-161057-23	MW 44D	Total/NA	Water	8260B	
500-161057-24	MW 36D	Total/NA	Water	8260B	
500-161057-25	MW 46D	Total/NA	Water	8260B	
500-161057-26	MW 1C	Total/NA	Water	8260B	
500-161057-26 - DL	MW 1C	Total/NA	Water	8260B	
MB 500-480189/7	Method Blank	Total/NA	Water	8260B	
LCS 500-480189/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-161057-1	MW 19C	113	93	100	93
500-161057-1 - DL	MW 19C	113	92	103	91
500-161057-2	MW 26C	118	90	100	95
500-161057-3	MW 8	116	90	101	94
500-161057-4	MW 7	115	91	101	93
500-161057-5	MW 5	114	95	103	93
500-161057-5 - DL	MW 5	116	92	103	94
500-161057-6	MW 4	116	92	104	94
500-161057-7	MW 3	116	92	103	93
500-161057-7 - DL	MW 3	116	93	101	92
500-161057-8	MW 43D	114	93	101	94
500-161057-8 - DL	MW 43D	108	97	107	89
500-161057-9	MW 6	98	92	101	91
500-161057-9 - DL	MW 6	95	100	103	112
500-161057-10	MW 35D	96	95	102	106
500-161057-10 - DL	MW 35D	97	94	104	106
500-161057-11	TB	96	93	101	106
500-161057-12	01FB	96	91	102	105
500-161057-12 MS	01FB	98	102	106	103
500-161057-12 MSD	01FB	100	102	105	103
500-161057-13	02FB	97	90	102	105
500-161057-14	Tote 1	98	91	104	105
500-161057-14 - DL	Tote 1	96	90	104	105
500-161057-15	MW 4 DUP	97	91	106	105
500-161057-16	MW 28D DUP	97	92	103	105
500-161057-17	MW 28D	96	92	105	104
500-161057-18	MW 20C	98	92	107	104
500-161057-18	MW 20C	97	92	108	104
500-161057-19 - DL	MW 9	98	94	108	104
500-161057-19	MW 9	95	99	99	99
500-161057-20	PW 16	97	92	107	104
500-161057-21	MW 40D	98	95	108	103
500-161057-21 - DL	MW 40D	97	94	110	104
500-161057-22	MW 45D	97	98	99	97
500-161057-23	MW 44D	98	98	97	99
500-161057-24	MW 36D	96	99	102	98
500-161057-25	MW 46D	93	101	102	98
500-161057-26	MW 1C	95	102	105	97
500-161057-26 - DL	MW 1C	96	102	105	97
LCS 500-479989/7	Lab Control Sample	108	93	98	97
LCS 500-479994/4	Lab Control Sample	98	101	101	105
LCS 500-480189/5	Lab Control Sample	98	102	101	99
MB 500-479989/6	Method Blank	116	92	103	91
MB 500-479994/6	Method Blank	97	94	104	104
MB 500-480189/7	Method Blank	96	99	102	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)

Surrogate Summary

Client: SCS Engineers
Job ID: 500-161057-1
Project/Site: Keck Farm - 25218118.00

TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-479989/6
Matrix: Water
Analysis Batch: 479989

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 10:27	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 10:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 10:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 10:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 10:27	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 10:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 10:27	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 10:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 10:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 10:27	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 10:27	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 10:27	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 10:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 10:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 10:27	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/11/19 10:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 10:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 10:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 10:27	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 10:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 10:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 10:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 10:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 10:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 10:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 10:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 10:27	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 10:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 10:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 10:27	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 10:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 10:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 10:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 10:27	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 10:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 10:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 10:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 10:27	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 10:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 10:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 10:27	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 10:27	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 10:27	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 10:27	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 10:27	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 10:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 10:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 10:27	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-479989/6
Matrix: Water
Analysis Batch: 479989

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 10:27	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 10:27	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 10:27	1
Toluene	<0.15		0.50	0.15	ug/L			04/11/19 10:27	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/11/19 10:27	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 10:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 10:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 10:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 10:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 10:27	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/11/19 10:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 10:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 10:27	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 10:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 10:27	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 10:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 10:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*04/11/19 10:27*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*04/11/19 10:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*04/11/19 10:27*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*04/11/19 10:27*	*1*

Lab Sample ID: LCS 500-479989/7
Matrix: Water
Analysis Batch: 479989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	23.7		ug/L		47	40 - 143
Benzene	50.0	45.1		ug/L		90	70 - 120
Bromobenzene	50.0	45.1		ug/L		90	70 - 122
Bromochloromethane	50.0	45.2		ug/L		90	65 - 122
Bromodichloromethane	50.0	43.6		ug/L		87	69 - 120
Bromoform	50.0	40.9		ug/L		82	56 - 132
Bromomethane	50.0	39.8		ug/L		80	40 - 152
2-Butanone (MEK)	50.0	37.7		ug/L		75	46 - 144
Carbon tetrachloride	50.0	41.7		ug/L		83	59 - 133
Chlorobenzene	50.0	47.2		ug/L		94	70 - 120
Chloroethane	50.0	45.0		ug/L		90	48 - 136
Chloroform	50.0	43.9		ug/L		88	70 - 120
Chloromethane	50.0	57.0		ug/L		114	56 - 152
2-Chlorotoluene	50.0	48.2		ug/L		96	70 - 125
4-Chlorotoluene	50.0	47.7		ug/L		95	68 - 124
cis-1,2-Dichloroethene	50.0	43.6		ug/L		87	70 - 125
cis-1,3-Dichloropropene	50.0	46.8		ug/L		94	64 - 127
Dibromochloromethane	50.0	42.0		ug/L		84	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	44.3		ug/L		89	56 - 123

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-479989/7
Matrix: Water
Analysis Batch: 479989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	50.0	45.9		ug/L		92	70 - 125
Dibromomethane	50.0	43.6		ug/L		87	70 - 120
1,2-Dichlorobenzene	50.0	44.4		ug/L		89	70 - 125
1,3-Dichlorobenzene	50.0	44.6		ug/L		89	70 - 125
1,4-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 120
Dichlorodifluoromethane	50.0	60.0		ug/L		120	40 - 159
1,1-Dichloroethane	50.0	45.8		ug/L		92	70 - 125
1,2-Dichloroethane	50.0	43.8		ug/L		88	68 - 127
1,1-Dichloroethene	50.0	40.5		ug/L		81	67 - 122
1,2-Dichloropropane	50.0	47.4		ug/L		95	67 - 130
1,3-Dichloropropane	50.0	47.5		ug/L		95	62 - 136
2,2-Dichloropropane	50.0	49.3		ug/L		99	58 - 139
1,1-Dichloropropene	50.0	46.9		ug/L		94	70 - 121
Ethylbenzene	50.0	44.5		ug/L		89	70 - 123
Hexachlorobutadiene	50.0	49.9		ug/L		100	51 - 150
2-Hexanone	50.0	46.4		ug/L		93	54 - 146
Isopropylbenzene	50.0	48.6		ug/L		97	70 - 126
Methylene Chloride	50.0	44.8		ug/L		90	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	45.2		ug/L		90	55 - 139
Methyl tert-butyl ether	50.0	45.8		ug/L		92	55 - 123
Naphthalene	50.0	45.2		ug/L		90	53 - 144
n-Butylbenzene	50.0	47.1		ug/L		94	68 - 125
N-Propylbenzene	50.0	47.9		ug/L		96	69 - 127
p-Isopropyltoluene	50.0	49.0		ug/L		98	70 - 125
sec-Butylbenzene	50.0	47.9		ug/L		96	70 - 123
Styrene	50.0	48.5		ug/L		97	70 - 120
tert-Butylbenzene	50.0	48.3		ug/L		97	70 - 121
1,1,1,2-Tetrachloroethane	50.0	41.8		ug/L		84	70 - 125
1,1,2,2-Tetrachloroethane	50.0	45.8		ug/L		92	62 - 140
Tetrachloroethene	50.0	46.6		ug/L		93	70 - 128
Tetrahydrofuran	100	82.9		ug/L		83	59 - 139
Toluene	50.0	46.3		ug/L		93	70 - 125
trans-1,2-Dichloroethene	50.0	43.7		ug/L		87	70 - 125
trans-1,3-Dichloropropene	50.0	47.5		ug/L		95	62 - 128
1,2,3-Trichlorobenzene	50.0	47.0		ug/L		94	51 - 145
1,2,4-Trichlorobenzene	50.0	46.4		ug/L		93	57 - 137
1,1,1-Trichloroethane	50.0	45.5		ug/L		91	70 - 125
1,1,2-Trichloroethane	50.0	45.8		ug/L		92	71 - 130
Trichloroethene	50.0	45.8		ug/L		92	70 - 125
Trichlorofluoromethane	50.0	48.9		ug/L		98	55 - 128
1,2,3-Trichloropropane	50.0	45.5		ug/L		91	50 - 133
1,2,4-Trimethylbenzene	50.0	49.5		ug/L		99	70 - 123
1,3,5-Trimethylbenzene	50.0	49.5		ug/L		99	70 - 123
Vinyl chloride	50.0	55.2		ug/L		110	64 - 126
Xylenes, Total	100	94.2		ug/L		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-479989/7
Matrix: Water
Analysis Batch: 479989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*

Lab Sample ID: MB 500-479994/6
Matrix: Water
Analysis Batch: 479994

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/11/19 10:41	1
Benzene	<0.15		0.50	0.15	ug/L			04/11/19 10:41	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/11/19 10:41	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/11/19 10:41	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/11/19 10:41	1
Bromoform	<0.48		1.0	0.48	ug/L			04/11/19 10:41	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/11/19 10:41	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/11/19 10:41	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/11/19 10:41	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/11/19 10:41	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/11/19 10:41	1
Chloroform	<0.37		2.0	0.37	ug/L			04/11/19 10:41	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/11/19 10:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/11/19 10:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/11/19 10:41	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/11/19 10:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/11/19 10:41	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/11/19 10:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/11/19 10:41	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/11/19 10:41	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/11/19 10:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/11/19 10:41	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/11/19 10:41	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/11/19 10:41	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/11/19 10:41	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/11/19 10:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/11/19 10:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/11/19 10:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/11/19 10:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/11/19 10:41	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/11/19 10:41	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/11/19 10:41	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/11/19 10:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/11/19 10:41	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/11/19 10:41	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 10:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/11/19 10:41	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/11/19 10:41	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/11/19 10:41	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-479994/6
Matrix: Water
Analysis Batch: 479994

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/11/19 10:41	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/11/19 10:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/11/19 10:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/11/19 10:41	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/11/19 10:41	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 10:41	1
Styrene	<0.39		1.0	0.39	ug/L			04/11/19 10:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/11/19 10:41	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/11/19 10:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/11/19 10:41	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/11/19 10:41	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/11/19 10:41	1
Toluene	<0.15		0.50	0.15	ug/L			04/11/19 10:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/11/19 10:41	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/11/19 10:41	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/11/19 10:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/11/19 10:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/11/19 10:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/11/19 10:41	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/11/19 10:41	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/11/19 10:41	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/11/19 10:41	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/11/19 10:41	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/11/19 10:41	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/11/19 10:41	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/11/19 10:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*04/11/19 10:41*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*04/11/19 10:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*04/11/19 10:41*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*04/11/19 10:41*	*1*

Lab Sample ID: LCS 500-479994/4
Matrix: Water
Analysis Batch: 479994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	31.3		ug/L		63	40 - 143
Benzene	50.0	51.3		ug/L		103	70 - 120
Bromobenzene	50.0	52.2		ug/L		104	70 - 122
Bromochloromethane	50.0	54.2		ug/L		108	65 - 122
Bromodichloromethane	50.0	50.6		ug/L		101	69 - 120
Bromoform	50.0	39.7		ug/L		79	56 - 132
Bromomethane	50.0	40.7		ug/L		81	40 - 152
2-Butanone (MEK)	50.0	40.1		ug/L		80	46 - 144
Carbon tetrachloride	50.0	54.4		ug/L		109	59 - 133
Chlorobenzene	50.0	54.5		ug/L		109	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-479994/4
Matrix: Water
Analysis Batch: 479994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	50.0	54.1		ug/L		108	48 - 136
Chloroform	50.0	52.6		ug/L		105	70 - 120
Chloromethane	50.0	52.0		ug/L		104	56 - 152
2-Chlorotoluene	50.0	52.7		ug/L		105	70 - 125
4-Chlorotoluene	50.0	52.8		ug/L		106	68 - 124
cis-1,2-Dichloroethene	50.0	53.8		ug/L		108	70 - 125
cis-1,3-Dichloropropene	50.0	48.9		ug/L		98	64 - 127
Dibromochloromethane	50.0	50.1		ug/L		100	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	39.5		ug/L		79	56 - 123
1,2-Dibromoethane	50.0	53.5		ug/L		107	70 - 125
Dibromomethane	50.0	52.4		ug/L		105	70 - 120
1,2-Dichlorobenzene	50.0	52.6		ug/L		105	70 - 125
1,3-Dichlorobenzene	50.0	53.3		ug/L		107	70 - 125
1,4-Dichlorobenzene	50.0	52.6		ug/L		105	70 - 120
Dichlorodifluoromethane	50.0	49.7		ug/L		99	40 - 159
1,1-Dichloroethane	50.0	55.3		ug/L		111	70 - 125
1,2-Dichloroethane	50.0	55.6		ug/L		111	68 - 127
1,1-Dichloroethene	50.0	54.9		ug/L		110	67 - 122
1,2-Dichloropropane	50.0	55.6		ug/L		111	67 - 130
1,3-Dichloropropane	50.0	51.8		ug/L		104	62 - 136
2,2-Dichloropropane	50.0	47.0		ug/L		94	58 - 139
1,1-Dichloropropene	50.0	53.8		ug/L		108	70 - 121
Ethylbenzene	50.0	57.7		ug/L		115	70 - 123
Hexachlorobutadiene	50.0	58.0		ug/L		116	51 - 150
2-Hexanone	50.0	47.2		ug/L		94	54 - 146
Isopropylbenzene	50.0	54.6		ug/L		109	70 - 126
Methylene Chloride	50.0	53.1		ug/L		106	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	43.7		ug/L		87	55 - 139
Methyl tert-butyl ether	50.0	48.0		ug/L		96	55 - 123
Naphthalene	50.0	51.0		ug/L		102	53 - 144
n-Butylbenzene	50.0	55.8		ug/L		112	68 - 125
N-Propylbenzene	50.0	54.3		ug/L		109	69 - 127
p-Isopropyltoluene	50.0	56.7		ug/L		113	70 - 125
sec-Butylbenzene	50.0	56.1		ug/L		112	70 - 123
Styrene	50.0	56.0		ug/L		112	70 - 120
tert-Butylbenzene	50.0	55.7		ug/L		111	70 - 121
1,1,1,2-Tetrachloroethane	50.0	52.9		ug/L		106	70 - 125
1,1,2,2-Tetrachloroethane	50.0	49.4		ug/L		99	62 - 140
Tetrachloroethene	50.0	56.8		ug/L		114	70 - 128
Tetrahydrofuran	100	88.0		ug/L		88	59 - 139
Toluene	50.0	51.7		ug/L		103	70 - 125
trans-1,2-Dichloroethene	50.0	54.5		ug/L		109	70 - 125
trans-1,3-Dichloropropene	50.0	49.2		ug/L		98	62 - 128
1,2,3-Trichlorobenzene	50.0	54.5		ug/L		109	51 - 145
1,2,4-Trichlorobenzene	50.0	54.6		ug/L		109	57 - 137
1,1,1-Trichloroethane	50.0	54.2		ug/L		108	70 - 125
1,1,2-Trichloroethane	50.0	53.4		ug/L		107	71 - 130
Trichloroethene	50.0	54.5		ug/L		109	70 - 125
Trichlorofluoromethane	50.0	52.5		ug/L		105	55 - 128

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-479994/4
Matrix: Water
Analysis Batch: 479994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	50.0	52.1		ug/L		104	50 - 133
1,2,4-Trimethylbenzene	50.0	55.1		ug/L		110	70 - 123
1,3,5-Trimethylbenzene	50.0	55.7		ug/L		111	70 - 123
Vinyl chloride	50.0	52.2		ug/L		104	64 - 126
Xylenes, Total	100	114		ug/L		114	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane	*101*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
Toluene-d8 (Surr)	*105*		*75 - 120*

Lab Sample ID: 500-161057-12 MS
Matrix: Water
Analysis Batch: 479994

Client Sample ID: 01FB
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<1.7		50.0	30.9		ug/L		62	40 - 143
Benzene	<0.15		50.0	56.0		ug/L		112	70 - 120
Bromobenzene	<0.36		50.0	57.3		ug/L		115	70 - 122
Bromochloromethane	<0.43		50.0	59.7		ug/L		119	65 - 122
Bromodichloromethane	<0.37		50.0	54.8		ug/L		110	69 - 120
Bromoform	<0.48		50.0	39.8		ug/L		80	56 - 132
Bromomethane	<0.80		50.0	48.4		ug/L		97	40 - 152
2-Butanone (MEK)	<2.1		50.0	41.4		ug/L		83	46 - 144
Carbon tetrachloride	<0.38		50.0	53.3		ug/L		107	59 - 133
Chlorobenzene	<0.39		50.0	59.7		ug/L		119	70 - 120
Chloroethane	<0.51		50.0	53.9		ug/L		108	48 - 136
Chloroform	<0.37		50.0	58.0		ug/L		116	70 - 120
Chloromethane	<0.32		50.0	63.8		ug/L		128	56 - 152
2-Chlorotoluene	<0.31		50.0	57.2		ug/L		114	70 - 125
4-Chlorotoluene	<0.35		50.0	56.9		ug/L		114	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	59.2		ug/L		118	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	52.2		ug/L		104	64 - 127
Dibromochloromethane	<0.49		50.0	52.8		ug/L		106	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	41.9		ug/L		84	56 - 123
1,2-Dibromoethane	<0.39		50.0	58.3		ug/L		117	70 - 125
Dibromomethane	<0.27		50.0	58.1		ug/L		116	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	58.5		ug/L		117	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	57.4		ug/L		115	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	57.8		ug/L		116	70 - 120
Dichlorodifluoromethane	<0.67		50.0	59.1		ug/L		118	40 - 159
1,1-Dichloroethane	<0.41		50.0	60.2		ug/L		120	70 - 125
1,2-Dichloroethane	<0.39		50.0	62.7		ug/L		125	68 - 127
1,1-Dichloroethene	<0.39		50.0	55.2		ug/L		110	67 - 122
1,2-Dichloropropane	<0.43		50.0	61.3		ug/L		123	67 - 130
1,3-Dichloropropane	<0.36		50.0	57.8		ug/L		116	62 - 136
2,2-Dichloropropane	<0.44		50.0	47.3		ug/L		95	58 - 139

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-161057-12 MS
Matrix: Water
Analysis Batch: 479994

Client Sample ID: 01FB
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	<0.30		50.0	54.9		ug/L		110	70 - 121
Ethylbenzene	<0.18		50.0	61.2		ug/L		122	70 - 123
Hexachlorobutadiene	<0.45		50.0	58.9		ug/L		118	51 - 150
2-Hexanone	<1.6		50.0	46.6		ug/L		93	54 - 146
Isopropylbenzene	<0.39		50.0	57.0		ug/L		114	70 - 126
Methylene Chloride	<1.6		50.0	59.5		ug/L		119	69 - 125
4-Methyl-2-pentanone (MIBK)	<2.2		50.0	43.7		ug/L		87	55 - 139
Methyl tert-butyl ether	<0.39		50.0	54.0		ug/L		108	55 - 123
Naphthalene	<0.34		50.0	58.4		ug/L		117	53 - 144
n-Butylbenzene	<0.39		50.0	56.4		ug/L		113	68 - 125
N-Propylbenzene	<0.41		50.0	56.6		ug/L		113	69 - 127
p-Isopropyltoluene	<0.36		50.0	58.7		ug/L		117	70 - 125
sec-Butylbenzene	<0.40		50.0	57.9		ug/L		116	70 - 123
Styrene	<0.39	F1	50.0	61.1	F1	ug/L		122	70 - 120
tert-Butylbenzene	<0.40		50.0	58.1		ug/L		116	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	57.4		ug/L		115	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	54.9		ug/L		110	62 - 140
Tetrachloroethene	<0.37		50.0	57.1		ug/L		114	70 - 128
Tetrahydrofuran	<1.9		100	97.6		ug/L		98	59 - 139
Toluene	0.15	J	50.0	55.6		ug/L		111	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	57.6		ug/L		115	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	52.4		ug/L		105	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	61.0		ug/L		122	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	58.5		ug/L		117	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	55.3		ug/L		111	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	59.9		ug/L		120	71 - 130
Trichloroethene	0.27	J	50.0	56.9		ug/L		113	70 - 125
Trichlorofluoromethane	<0.43		50.0	53.7		ug/L		107	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	57.3		ug/L		115	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	59.6		ug/L		119	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	59.3		ug/L		119	70 - 123
Vinyl chloride	<0.20		50.0	59.6		ug/L		119	64 - 126
Xylenes, Total	<0.22		100	122		ug/L		122	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: 500-161057-12 MSD
Matrix: Water
Analysis Batch: 479994

Client Sample ID: 01FB
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	<1.7		50.0	26.1		ug/L		52	40 - 143	17	20
Benzene	<0.15		50.0	47.2		ug/L		94	70 - 120	17	20
Bromobenzene	<0.36		50.0	49.5		ug/L		99	70 - 122	15	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-161057-12 MSD
Matrix: Water
Analysis Batch: 479994

Client Sample ID: 01FB
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromochloromethane	<0.43		50.0	51.0		ug/L		102	65 - 122	16	20
Bromodichloromethane	<0.37		50.0	46.4		ug/L		93	69 - 120	16	20
Bromoform	<0.48		50.0	33.9		ug/L		68	56 - 132	16	20
Bromomethane	<0.80		50.0	42.0		ug/L		84	40 - 152	14	20
2-Butanone (MEK)	<2.1		50.0	35.1		ug/L		70	46 - 144	17	20
Carbon tetrachloride	<0.38		50.0	44.9		ug/L		90	59 - 133	17	20
Chlorobenzene	<0.39		50.0	50.4		ug/L		101	70 - 120	17	20
Chloroethane	<0.51		50.0	45.5		ug/L		91	48 - 136	17	20
Chloroform	<0.37		50.0	48.7		ug/L		97	70 - 120	17	20
Chloromethane	<0.32		50.0	57.0		ug/L		114	56 - 152	11	20
2-Chlorotoluene	<0.31		50.0	48.7		ug/L		97	70 - 125	16	20
4-Chlorotoluene	<0.35		50.0	48.6		ug/L		97	68 - 124	16	20
cis-1,2-Dichloroethene	<0.41		50.0	49.8		ug/L		100	70 - 125	17	20
cis-1,3-Dichloropropene	<0.42		50.0	44.3		ug/L		89	64 - 127	16	20
Dibromochloromethane	<0.49		50.0	44.5		ug/L		89	68 - 125	17	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	37.1		ug/L		74	56 - 123	12	20
1,2-Dibromoethane	<0.39		50.0	49.6		ug/L		99	70 - 125	16	20
Dibromomethane	<0.27		50.0	49.0		ug/L		98	70 - 120	17	20
1,2-Dichlorobenzene	<0.33		50.0	50.2		ug/L		100	70 - 125	15	20
1,3-Dichlorobenzene	<0.40		50.0	49.2		ug/L		98	70 - 125	16	20
1,4-Dichlorobenzene	<0.36		50.0	49.2		ug/L		98	70 - 120	16	20
Dichlorodifluoromethane	<0.67		50.0	52.0		ug/L		104	40 - 159	13	20
1,1-Dichloroethane	<0.41		50.0	50.8		ug/L		102	70 - 125	17	20
1,2-Dichloroethane	<0.39		50.0	52.6		ug/L		105	68 - 127	18	20
1,1-Dichloroethene	<0.39		50.0	46.6		ug/L		93	67 - 122	17	20
1,2-Dichloropropane	<0.43		50.0	53.0		ug/L		106	67 - 130	14	20
1,3-Dichloropropane	<0.36		50.0	49.0		ug/L		98	62 - 136	17	20
2,2-Dichloropropane	<0.44		50.0	40.3		ug/L		81	58 - 139	16	20
1,1-Dichloropropene	<0.30		50.0	46.0		ug/L		92	70 - 121	18	20
Ethylbenzene	<0.18		50.0	51.5		ug/L		103	70 - 123	17	20
Hexachlorobutadiene	<0.45		50.0	50.5		ug/L		101	51 - 150	15	20
2-Hexanone	<1.6		50.0	41.5		ug/L		83	54 - 146	12	20
Isopropylbenzene	<0.39		50.0	48.7		ug/L		97	70 - 126	16	20
Methylene Chloride	<1.6		50.0	50.4		ug/L		101	69 - 125	17	20
4-Methyl-2-pentanone (MIBK)	<2.2		50.0	37.8		ug/L		76	55 - 139	14	20
Methyl tert-butyl ether	<0.39		50.0	45.8		ug/L		92	55 - 123	16	20
Naphthalene	<0.34		50.0	49.8		ug/L		100	53 - 144	16	20
n-Butylbenzene	<0.39		50.0	47.8		ug/L		96	68 - 125	17	20
N-Propylbenzene	<0.41		50.0	48.3		ug/L		97	69 - 127	16	20
p-Isopropyltoluene	<0.36		50.0	49.8		ug/L		100	70 - 125	16	20
sec-Butylbenzene	<0.40		50.0	49.2		ug/L		98	70 - 123	16	20
Styrene	<0.39	F1	50.0	51.2		ug/L		102	70 - 120	18	20
tert-Butylbenzene	<0.40		50.0	49.7		ug/L		99	70 - 121	16	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	48.2		ug/L		96	70 - 125	17	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	47.8		ug/L		96	62 - 140	14	20
Tetrachloroethene	<0.37		50.0	47.9		ug/L		96	70 - 128	18	20
Tetrahydrofuran	<1.9		100	84.0		ug/L		84	59 - 139	15	20
Toluene	0.15	J	50.0	46.7		ug/L		93	70 - 125	17	20
trans-1,2-Dichloroethene	<0.35		50.0	48.4		ug/L		97	70 - 125	17	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-161057-12 MSD
Matrix: Water
Analysis Batch: 479994

Client Sample ID: 01FB
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	<0.36		50.0	44.7		ug/L		89	62 - 128	16	20
1,2,3-Trichlorobenzene	<0.46		50.0	51.8		ug/L		104	51 - 145	16	20
1,2,4-Trichlorobenzene	<0.34		50.0	49.0		ug/L		98	57 - 137	18	20
1,1,1-Trichloroethane	<0.38		50.0	46.5		ug/L		93	70 - 125	17	20
1,1,2-Trichloroethane	<0.35		50.0	50.4		ug/L		101	71 - 130	17	20
Trichloroethene	0.27	J	50.0	47.9		ug/L		95	70 - 125	17	20
Trichlorofluoromethane	<0.43		50.0	48.0		ug/L		96	55 - 128	11	20
1,2,3-Trichloropropane	<0.41		50.0	50.3		ug/L		101	50 - 133	13	20
1,2,4-Trimethylbenzene	<0.36		50.0	50.7		ug/L		101	70 - 123	16	20
1,3,5-Trimethylbenzene	<0.25		50.0	50.4		ug/L		101	70 - 123	16	20
Vinyl chloride	<0.20		50.0	53.1		ug/L		106	64 - 126	12	20
Xylenes, Total	<0.22		100	102		ug/L		102	70 - 125	18	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: MB 500-480189/7
Matrix: Water
Analysis Batch: 480189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/12/19 11:00	1
Benzene	<0.15		0.50	0.15	ug/L			04/12/19 11:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/12/19 11:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/12/19 11:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/12/19 11:00	1
Bromoform	<0.48		1.0	0.48	ug/L			04/12/19 11:00	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/12/19 11:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/12/19 11:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/12/19 11:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/12/19 11:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/12/19 11:00	1
Chloroform	<0.37		2.0	0.37	ug/L			04/12/19 11:00	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/12/19 11:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/12/19 11:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/12/19 11:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/12/19 11:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/12/19 11:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/12/19 11:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/12/19 11:00	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/12/19 11:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/12/19 11:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/12/19 11:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/12/19 11:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/12/19 11:00	1

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-480189/7
Matrix: Water
Analysis Batch: 480189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/12/19 11:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/12/19 11:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/12/19 11:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/12/19 11:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/12/19 11:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/12/19 11:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/12/19 11:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/12/19 11:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/12/19 11:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/12/19 11:00	1
2-Hexanone	<1.6		5.0	1.6	ug/L			04/12/19 11:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/12/19 11:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/12/19 11:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/12/19 11:00	1
4-Methyl-2-pentanone (MIBK)	<2.2		5.0	2.2	ug/L			04/12/19 11:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/12/19 11:00	1
Naphthalene	0.564	J	1.0	0.34	ug/L			04/12/19 11:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/12/19 11:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/12/19 11:00	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/12/19 11:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/19 11:00	1
Styrene	<0.39		1.0	0.39	ug/L			04/12/19 11:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/19 11:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/12/19 11:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/12/19 11:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/12/19 11:00	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/12/19 11:00	1
Toluene	<0.15		0.50	0.15	ug/L			04/12/19 11:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/12/19 11:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/12/19 11:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/12/19 11:00	1
1,2,4-Trichlorobenzene	0.665	J	1.0	0.34	ug/L			04/12/19 11:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/12/19 11:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/12/19 11:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/12/19 11:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/12/19 11:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/12/19 11:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/12/19 11:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/12/19 11:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/12/19 11:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/12/19 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*04/12/19 11:00*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*04/12/19 11:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*04/12/19 11:00*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*04/12/19 11:00*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-480189/5
Matrix: Water
Analysis Batch: 480189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	23.4		ug/L		47	40 - 143
Benzene	50.0	48.1		ug/L		96	70 - 120
Bromobenzene	50.0	50.2		ug/L		100	70 - 122
Bromochloromethane	50.0	50.7		ug/L		101	65 - 122
Bromodichloromethane	50.0	51.4		ug/L		103	69 - 120
Bromoform	50.0	63.2		ug/L		126	56 - 132
Bromomethane	50.0	52.7		ug/L		105	40 - 152
2-Butanone (MEK)	50.0	38.1		ug/L		76	46 - 144
Carbon tetrachloride	50.0	57.8		ug/L		116	59 - 133
Chlorobenzene	50.0	49.3		ug/L		99	70 - 120
Chloroethane	50.0	59.3		ug/L		119	48 - 136
Chloroform	50.0	49.6		ug/L		99	70 - 120
Chloromethane	50.0	55.2		ug/L		110	56 - 152
2-Chlorotoluene	50.0	50.7		ug/L		101	70 - 125
4-Chlorotoluene	50.0	50.3		ug/L		101	68 - 124
cis-1,2-Dichloroethene	50.0	50.9		ug/L		102	70 - 125
cis-1,3-Dichloropropene	50.0	48.7		ug/L		97	64 - 127
Dibromochloromethane	50.0	56.6		ug/L		113	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	53.5		ug/L		107	56 - 123
1,2-Dibromoethane	50.0	50.0		ug/L		100	70 - 125
Dibromomethane	50.0	48.1		ug/L		96	70 - 120
1,2-Dichlorobenzene	50.0	49.4		ug/L		99	70 - 125
1,3-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 125
1,4-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 120
Dichlorodifluoromethane	50.0	56.7		ug/L		113	40 - 159
1,1-Dichloroethane	50.0	48.5		ug/L		97	70 - 125
1,2-Dichloroethane	50.0	49.1		ug/L		98	68 - 127
1,1-Dichloroethene	50.0	49.6		ug/L		99	67 - 122
1,2-Dichloropropane	50.0	48.8		ug/L		98	67 - 130
1,3-Dichloropropane	50.0	50.8		ug/L		102	62 - 136
2,2-Dichloropropane	50.0	48.9		ug/L		98	58 - 139
1,1-Dichloropropene	50.0	50.6		ug/L		101	70 - 121
Ethylbenzene	50.0	54.2		ug/L		108	70 - 123
Hexachlorobutadiene	50.0	54.6		ug/L		109	51 - 150
2-Hexanone	50.0	51.2		ug/L		102	54 - 146
Isopropylbenzene	50.0	51.2		ug/L		102	70 - 126
Methylene Chloride	50.0	48.8		ug/L		98	69 - 125
4-Methyl-2-pentanone (MIBK)	50.0	49.9		ug/L		100	55 - 139
Methyl tert-butyl ether	50.0	48.5		ug/L		97	55 - 123
Naphthalene	50.0	50.2		ug/L		100	53 - 144
n-Butylbenzene	50.0	51.5		ug/L		103	68 - 125
N-Propylbenzene	50.0	51.2		ug/L		102	69 - 127
p-Isopropyltoluene	50.0	51.9		ug/L		104	70 - 125
sec-Butylbenzene	50.0	52.0		ug/L		104	70 - 123
Styrene	50.0	50.5		ug/L		101	70 - 120
tert-Butylbenzene	50.0	52.1		ug/L		104	70 - 121
1,1,1,2-Tetrachloroethane	50.0	55.0		ug/L		110	70 - 125
1,1,2,2-Tetrachloroethane	50.0	50.7		ug/L		101	62 - 140

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-480189/5
Matrix: Water
Analysis Batch: 480189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	50.0	54.2		ug/L		108	70 - 128
Tetrahydrofuran	100	103		ug/L		103	59 - 139
Toluene	50.0	47.1		ug/L		94	70 - 125
trans-1,2-Dichloroethene	50.0	51.1		ug/L		102	70 - 125
trans-1,3-Dichloropropene	50.0	48.6		ug/L		97	62 - 128
1,2,3-Trichlorobenzene	50.0	50.4		ug/L		101	51 - 145
1,2,4-Trichlorobenzene	50.0	50.4		ug/L		101	57 - 137
1,1,1-Trichloroethane	50.0	52.9		ug/L		106	70 - 125
1,1,2-Trichloroethane	50.0	49.7		ug/L		99	71 - 130
Trichloroethene	50.0	50.2		ug/L		100	70 - 125
Trichlorofluoromethane	50.0	53.2		ug/L		106	55 - 128
1,2,3-Trichloropropane	50.0	54.5		ug/L		109	50 - 133
1,2,4-Trimethylbenzene	50.0	50.4		ug/L		101	70 - 123
1,3,5-Trimethylbenzene	50.0	51.0		ug/L		102	70 - 123
Vinyl chloride	50.0	48.4		ug/L		97	64 - 126
Xylenes, Total	100	104		ug/L		104	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Chronicle

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 19C
Date Collected: 04/03/19 10:21
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	479989	04/11/19 13:24	JLC	TAL CHI
Total/NA	Analysis	8260B	DL	500	479989	04/11/19 13:49	JLC	TAL CHI
Total/NA	Analysis	8260B	DL	500	479989	04/11/19 13:49	JLC	TAL CHI

Client Sample ID: MW 26C
Date Collected: 04/02/19 12:34
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479989	04/11/19 14:14	JLC	TAL CHI

Client Sample ID: MW 8
Date Collected: 04/02/19 10:45
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479989	04/11/19 14:39	JLC	TAL CHI

Client Sample ID: MW 7
Date Collected: 04/02/19 11:00
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479989	04/11/19 15:05	JLC	TAL CHI

Client Sample ID: MW 5
Date Collected: 04/02/19 15:14
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	479989	04/11/19 15:30	JLC	TAL CHI
Total/NA	Analysis	8260B	DL	50	479989	04/11/19 15:55	JLC	TAL CHI

Client Sample ID: MW 4
Date Collected: 04/02/19 13:49
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479989	04/11/19 16:20	JLC	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: MW 3
Date Collected: 04/03/19 10:36
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	479989	04/11/19 16:45	JLC	TAL CHI
Total/NA	Analysis	8260B	DL	100	479989	04/11/19 17:10	JLC	TAL CHI
Total/NA	Analysis	8260B	DL	100	479989	04/11/19 17:10	JLC	TAL CHI

Client Sample ID: MW 43D
Date Collected: 04/03/19 12:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	479989	04/11/19 17:36	JLC	TAL CHI
Total/NA	Analysis	8260B	DL	20	479989	04/11/19 18:01	JLC	TAL CHI

Client Sample ID: MW 6
Date Collected: 04/03/19 09:46
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	479989	04/11/19 18:26	JLC	TAL CHI
Total/NA	Analysis	8260B	DL	200	479989	04/11/19 18:51	JLC	TAL CHI

Client Sample ID: MW 35D
Date Collected: 04/02/19 10:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479994	04/11/19 11:32	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	10	479994	04/11/19 11:58	JDD	TAL CHI

Client Sample ID: TB
Date Collected: 04/02/19 00:00
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479994	04/11/19 11:07	JDD	TAL CHI

Client Sample ID: 01FB
Date Collected: 04/02/19 13:00
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479994	04/11/19 12:23	JDD	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: 02FB
Lab Sample ID: 500-161057-13
Date Collected: 04/03/19 10:20
Matrix: Water
Date Received: 04/04/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479994	04/11/19 12:49	JDD	TAL CHI

Client Sample ID: Tote 1
Lab Sample ID: 500-161057-14
Date Collected: 04/03/19 12:00
Matrix: Water
Date Received: 04/04/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	479994	04/11/19 13:14	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	100	479994	04/11/19 13:39	JDD	TAL CHI

Client Sample ID: MW 4 DUP
Lab Sample ID: 500-161057-15
Date Collected: 04/02/19 13:49
Matrix: Water
Date Received: 04/04/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479994	04/11/19 14:05	JDD	TAL CHI

Client Sample ID: MW 28D DUP
Lab Sample ID: 500-161057-16
Date Collected: 04/02/19 14:01
Matrix: Water
Date Received: 04/04/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479994	04/11/19 14:31	JDD	TAL CHI

Client Sample ID: MW 28D
Lab Sample ID: 500-161057-17
Date Collected: 04/02/19 14:01
Matrix: Water
Date Received: 04/04/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479994	04/11/19 15:21	JDD	TAL CHI

Client Sample ID: MW 20C
Lab Sample ID: 500-161057-18
Date Collected: 04/02/19 15:01
Matrix: Water
Date Received: 04/04/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479994	04/11/19 16:13	JDD	TAL CHI
Total/NA	Analysis	8260B		10	479994	04/11/19 16:38	JDD	TAL CHI

Client Sample ID: MW 9
Lab Sample ID: 500-161057-19
Date Collected: 04/02/19 10:30
Matrix: Water
Date Received: 04/04/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	480189	04/12/19 13:36	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	1000	479994	04/11/19 19:11	JDD	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Client Sample ID: PW 16
Date Collected: 04/02/19 15:40
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	479994	04/11/19 17:04	JDD	TAL CHI

Client Sample ID: MW 40D
Date Collected: 04/02/19 11:06
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	479994	04/11/19 17:29	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	50	479994	04/11/19 17:55	JDD	TAL CHI

Client Sample ID: MW 45D
Date Collected: 04/01/19 13:26
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	480189	04/12/19 14:02	JDD	TAL CHI

Client Sample ID: MW 44D
Date Collected: 04/01/19 10:56
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	480189	04/12/19 14:28	JDD	TAL CHI

Client Sample ID: MW 36D
Date Collected: 04/01/19 12:16
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	480189	04/12/19 14:55	JDD	TAL CHI

Client Sample ID: MW 46D
Date Collected: 04/01/19 15:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	480189	04/12/19 15:21	JDD	TAL CHI

Client Sample ID: MW 1C
Date Collected: 04/02/19 13:01
Date Received: 04/04/19 09:00

Lab Sample ID: 500-161057-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	480189	04/12/19 15:47	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	500	480189	04/12/19 16:13	JDD	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: Keck Farm - 25218118.00

Job ID: 500-161057-1

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 500-161057-1
Project/Site: Keck Farm - 25218118.00

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-19

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: Mike Prattke
Company: SCS Engineers
Address: N84 W13540 W Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact: Mike Prattke
Company: SCS Engineers
Address: N84 W13540 Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-161057
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 1.0 → 0.5

Client: SCS Engineers
Client Project #:
Project Name: Keck Farm
Project Location/State: WI
Lab Project #:
Sampler: Charlie Bills
Lab PM:

Preservative: 1
Parameter: VOC (8260B)

500-161057 COC

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC (8260B)	Comments
1		MW19C	4-3-19	1021	3	W	3	
2		MW26C	4-2-19	1234	3	W	3	
3		MW 8	4-2-19	1045	3	W	3	
4		MW7	4-2-19	1100	3	W	3	
5		MW 5	4-2-19	1514	3	W	3	
6		MW 4	4-2-19	1349	3	W	3	
7		MW3	4-3-19	1036	3	W	3	
8		MW43D	4-3-19	1201	3	W	3	
9		MW 6	4-3-19	0946	3	W	3	
10		MW 35D	4-2-19	1001	3	W	3	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard ____ Other
Requested Due Date ____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Charlie	SCS	4-3-2019	1700		TA	4.4.19	0900
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: Mike Prattke
Company: SCS Engineers
Address: N84W13540 Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
E-Mail:

(optional)

Bill To
Contact: Mike Prattke
Company: SCS Engineers
Address: N84 W13540 Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-16057
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler:

Client: SCS Engineers | Client Project #: | Preservative: 1

Project Name: Keck Farm | Parameter: VOC (8260 B)

Project Location/State: WI | Lab Project #:

Sampler: Charlie Bills | Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC (8260 B)	Comments
11		TB						
12		01FB	4-2-19	1300	3	W	3	
13		02FB	4-3-19	1020	3	W	3	
14		Tote 1	4-3-19	1200	3	W	3	
15		MW4 Dup	4-2-19	1349	3	W	3	
16		MW28D Dup	4-2-19	1401	3	W	3	
17		MW28D	4-2-19	1401	3	W	3	
18		MW20C	4-2-19	1501	3	W	3	
19		MW9	4-2-19	1030	3	W	3	
20		PW16	4-2-19	1540	3	W	3	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard ___ Other
Requested Due Date ____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	SCS	4-3-19	1700		TA	4-4-19	0900

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

4/12/2019

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: Mike Prathke
Company: SCS Engineers
Address: N84 W13540 Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
E-Mail:

(optional)

Bill To
Contact: Mike Prathke
Company: SCS Engineers
Address: N84 W13540 Leon Rd
Address: Menomonee Falls WI
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-16057

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler:

Client: SCS Engineers
Client Project #:
Project Name: Keck Farm
Project Location/State: WI
Lab Project #:
Sampler: Charlie Bills
Lab PM:

Preservative: 1
Parameter: VOC (8260B)

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC (8260B)	Comments
21		MW 40D	4-2-19	1106	3	W	3	
22		MW 45D	4-1-19	1326	3	W	3	
23		MW 44D	4-1-19	1056	3	W	3	
24		MW 36D	4-1-19	1216	3	W	3	
25		MW 46D	4-1-19	1501	3	W	3	
26		MW 1C	4-2-19	1301	3	W	3	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Charlie	SCS	4-3-19	1700	Jeff Jarrell	TA	4-4-19	0900
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

4/12/2019

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-161057-1

Login Number: 161057
List Number: 1
Creator: James, Jeff A

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	SEE NCM
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	