

DRAFT

Table 4.

Summary of Shallow Groundwater VOC Analytical Results‡

Grenada Manufacturing Facility, Grenada, MS

Location ID	Sample Depth (feet)	Sample Date	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	1,2-Dibromo-3-Chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane
USEPA VISL Residential Groundwater Screening Levels (µg/L)†			9,300	4.4	1,800	6.8	9.4	230	52	0.04	3,700	2.9
Well/Sample Details												
VAP-1-GW	12-13	10/2/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
VAP-2-GW	15-16	10/5/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
VAP-3-GW	15-16	10/6/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
VAP-4-GW	15-16	10/6/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
VAP-5-GW	15-16	10/7/2015	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 16 U	< 8 U	< 8 U	< 8 U
VAP-6-GW	12-13	10/8/2015	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	< 10 U	< 10 U	< 10 U
VAP-7-GW	13-14	10/9/2015	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	< 2 U	< 2 U	< 2 U
VAP-8-GW	18-19	10/8/2015	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	< 6.7 U	< 3.3 U	< 3.3 U	< 3.3 U
VAP-9-GW	15-16	10/1/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
VAP-10-GW	16-17	10/20/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U

Notes

‡ Groundwater samples collected by vertical aquifer profile method. Analyzed by Method 8260B. Presented in µg/L.

USEPA VISL Calculator Version 3.4, June 2015 RSLs used to calculate target residential screening levels for groundwater concentration based an average

† groundwater temperature of 20 degrees celsius and on the lower of either a target cancer risk of 1E-06 or a target hazard index of 1. Screening levels assumes 26 year exposure duration, 350 days per year, 24 hours per day.

µg/L micrograms per liter
NL No screening criteria calculated

BOLD and SHADED Bold values in the shallowest groundwater interval exceed the calculate target residential vapor intrusion screening levels for groundwater to vapor based on the lower of either a target cancer risk of 1E-06 or a target hazard index of 1.0.

RSL Regional Screening Level
USEPA United States Environmental Protection Agency
VISL Vapor Intrusion Screening Level
VOC Volatile organic compound

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

B Compound was found in the blank and sample
U Indicates the analyte was analyzed for but not detected.

* LCS or LCSD is outside acceptable limits

F1 MS and/or MSD recovery is outside acceptable limits
F2 MS/MSD RPD exceeds control limits

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Summary of Shallow Groundwater VOC Analytical Results‡

Grenada Manufacturing Facility, Grenada, MS

Location ID	Sample Depth (feet)	Sample Date	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromoform	Bromomethane	Carbon disulfide
USEPA VISL Residential Groundwater Screening Levels (µg/L)†			3.1	NL	3.6	2,800,000	11,000	730,000	1,100,000	2	160	20	1,500
Well/Sample Details													
VAP-1-GW	12-13	10/2/2015	< 1 U	< 1 U	< 1 U	0.72 J	< 10 U	< 10 U	2.9 J	< 1 U	< 1 U	< 1 U	< 1 U
VAP-2-GW	15-16	10/5/2015	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U
VAP-3-GW	15-16	10/6/2015	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	1.6 J	< 1 U	< 1 U	< 1 U	0.56 J
VAP-4-GW	15-16	10/6/2015	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 10 U	1.3 J	< 1 U	< 1 U	< 1 U	< 1 U
VAP-5-GW	15-16	10/7/2015	< 8 U	< 8 U	< 8 U	< 8 U	< 80 U	< 80 U	< 80 U	< 8 U	< 8 U	< 8 U	< 8 U
VAP-6-GW	12-13	10/8/2015	< 10 U	< 10 U	< 10 U	< 100 U	< 100 U	< 100 U	< 100 U	< 10 U	< 10 U	< 10 U	< 10 U
VAP-7-GW	13-14	10/9/2015	< 2 U	< 2 U	< 2 U	< 20 U	< 20 U	< 20 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U
VAP-8-GW	18-19	10/8/2015	< 3.3 U	< 3.3 U	< 3.3 U	< 33 U	< 33 U	< 33 U	< 33 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U
VAP-9-GW	15-16	10/1/2015	< 1 U	< 1 U	< 1 U	1.3 J	< 10 U	< 10 U	8.3 J B	< 1 U	< 1 U	< 1 U	< 1 U
VAP-10-GW	16-17	10/20/2015	< 1 U	< 1 U	< 1 U	0.64 J	< 10 U	< 10 U	2.2 J	< 1 U	< 1 U	< 1 U	< 1 U

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Summary of Shallow Groundwater VOC Analytical Results‡

Grenada Manufacturing Facility, Grenada, MS

Location ID	Sample Depth (feet)	Sample Date	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cyclohexane	Dichlorobromomethane	Dichlorodifluoromethane
USEPA VISL Residential Groundwater Screening Levels (µg/L)†			0.52	540	NL	NL	1	300	NL	NL	1,300	NL	9.4
Well/Sample Details													
VAP-1-GW	12-13	10/2/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
VAP-2-GW	15-16	10/5/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.74 J	< 1 U	< 1 U	< 1 U	< 1 U
VAP-3-GW	15-16	10/6/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
VAP-4-GW	15-16	10/6/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.47 J	< 1 U	< 1 U	< 1 U	< 1 U
VAP-5-GW	15-16	10/7/2015	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	220	< 8 U	< 8 U	< 8 U	< 8 U
VAP-6-GW	12-13	10/8/2015	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	170	< 10 U	< 10 U	< 10 U	< 10 U
VAP-7-GW	13-14	10/9/2015	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	44	< 2 U	< 2 U	< 2 U	< 2 U
VAP-8-GW	18-19	10/8/2015	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	85	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U
VAP-9-GW	15-16	10/1/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
VAP-10-GW	16-17	10/20/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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USEPA VISL Calculator Version 3.4, June 2015 RSLs used to calculate target residential screening levels for groundwater concentration based an average groundwater temperature of 20 degrees celsius and on the lower of either a target cancer risk of 1E-06 or a target hazard index of 1. Screening levels assumes 26 year exposure duration, 350 days per year, 24 hours per day.

µg/L micrograms per liter
NL No screening criteria calculated

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Grenada Manufacturing Facility, Grenada, MS

Location ID	Sample Depth (feet)	Sample Date	Ethylbenzene	Ethylene Dibromide	Isopropyl-benzene	Methyl Acetate	Methyl tert-butyl ether	Methyl-cyclohexane	Methylene Chloride	Styrene	Tetra-chloroethene	Toluene	trans-1,2-Dichloroethene
USEPA VISL Residential Groundwater Screening Levels (µg/L)†			4.7	NL	NL	3,300	550	NL	930	12,000	20	25,000	NL
Well/Sample Details													
VAP-1-GW	12-13	10/2/2015	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
VAP-2-GW	15-16	10/5/2015	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
VAP-3-GW	15-16	10/6/2015	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
VAP-4-GW	15-16	10/6/2015	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
VAP-5-GW	15-16	10/7/2015	< 8 U	< 8 U	< 8 U	< 80 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U
VAP-6-GW	12-13	10/8/2015	< 10 U	< 10 U	< 10 U	< 100 U	< 10 U	< 10 U	6.7 J B	< 10 U	< 10 U	< 10 U	< 10 U
VAP-7-GW	13-14	10/9/2015	< 2 U	< 2 U	< 2 U	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
VAP-8-GW	18-19	10/8/2015	< 3.3 U	< 3.3 U	< 3.3 U	< 33 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U	< 3.3 U
VAP-9-GW	15-16	10/1/2015	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
VAP-10-GW	16-17	10/20/2015	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.28 J	< 1 U

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Table 4. Summary of Shallow Groundwater VOC Analytical Results‡
Grenada Manufacturing Facility, Grenada, MS

Location ID	Sample Depth (feet)	Sample Date	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Total Xylenes
USEPA VISL Residential Groundwater Screening Levels (µg/L)†			NL	1.5	220	0.17	660
Well/Sample Details							
VAP-1-GW	12-13	10/2/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
VAP-2-GW	15-16	10/5/2015	< 1 U	2.1	< 1 U	< 1 U	< 2 U
VAP-3-GW	15-16	10/6/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
VAP-4-GW	15-16	10/6/2015	< 1 U	0.83 J	< 1 U	< 1 U	< 2 U
VAP-5-GW	15-16	10/7/2015	< 8 U	81	< 8 U	< 8 U	< 16 U
VAP-6-GW	12-13	10/8/2015	< 10 U	160	< 10 U	< 10 U	< 20 U
VAP-7-GW	13-14	10/9/2015	< 2 U	21	< 2 U	< 2 U	< 4 U
VAP-8-GW	18-19	10/8/2015	< 3.3 U	39	< 3.3 U	< 3.3 U	< 6.7 U
VAP-9-GW	15-16	10/1/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
VAP-10-GW	16-17	10/20/2015	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U

Notes

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Table

Summary of Groundwater VOC Analytical Results

Granada Manufacturing Facility, Granada, MS

Note

‡ Groundwater samples collected by vertical aquifer profile method. Analyzed by Method 8260B. Presented in $\mu\text{g/L}$.

$\mu\text{g/L}$ micrograms per liter

J Result is less than the RL but greater than or equal to the M and the concentration is an approximate value.

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Compound was found in the blank and sample

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VOC Volatile organic compound

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U Indicates the analyte was analyzed for but not detected.

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- MC and/or MCD measures is outside acceptable limits

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F2 MS/MSD RPD exceeds control limits

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Table 5.
Summary of Groundwater VOC Analytical Results^a
Grenada Manufacturing Facility, Grenada, MS

Location ID	Sample Depth (feet)	Sample Date	Acetone	Benzene	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cyclohexane	Dichlorobromomethane	Dichlorodifluoromethane
Well/Sample Details																		
VAP-1-GW	12-13	10/2/2015	29 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	15-16	10/2/2015	6.6 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	20-21	10/2/2015	4.9 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	25-26	10/2/2015	2.4 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	30-31	10/2/2015	4 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	35-36	10/2/2015	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	40-41	10/2/2015	14	<1 U	<1 U	<1 U	<1 U	0.47 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	45-46	10/2/2015	1.6 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	48-49	10/2/2015	3.4 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	15-16	10/5/2015	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.74 J	<1 U	<1 U	<1 U	<1 U	
VAP-2-GW	20-21	10/5/2015	4.8 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.51 J	<1 U	<1 U	<1 U	<1 U	
	25-26	10/5/2015	6.2 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.54 J	<1 U	<1 U	<1 U	<1 U	
	30-31	10/5/2015	23.3 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	35-36	10/5/2015	6.5 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	40-41	10/5/2015	95.5 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	45-46	10/5/2015	5.6 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	49-50	10/5/2015	4.7 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	49-50	10/5/2015	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	15-16	10/6/2015	3.7 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
VAP-3-GW	20-21	10/6/2015	1.6 J	<1 U	<1 U	<1 U	<1 U	0.56 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	25-26	10/6/2015	4.5 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	30-31	10/6/2015	5.2 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	35-36	10/6/2015	4.6 J	<1 U	<1 U	<1 U	0.38 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	40-41	10/6/2015	6.1 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	45-46	10/6/2015	2.8 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	49-50	10/6/2015	4.5 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	15-16	10/6/2015	1.3 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.47 J	<1 U	<1 U	<1 U	
	20-21	10/6/2015	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	10	<1 U	<1 U	<1 U	
	25-26	10/6/2015	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	5.2	<1 U	<1 U	<1 U	<1 U	
VAP-4-GW	30-31	10/7/2015	1.4 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	1.2	<1 U	<1 U	<1 U	
	40-41	10/7/2015	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	45-46	10/7/2015	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	49-50	10/7/2015	1.1 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	15-16	10/7/2015	<80 U	<8 U	<8 U	<8 U	<8 U	<8 U	<8 U	<8 U	<8 U	<8 U	220	<8 U	<8 U	<8 U	<8 U	
	20-21	10/7/2015	<100 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	390 F1	<10 U	<10 U	<10 U	<10 U	
	25-26	10/7/2015	<50 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	130	<5 U	<5 U	<5 U	<5 U	
	30-31	10/7/2015	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	2.8	<1 U	<1 U	<1 U	<1 U	
	35-36	10/7/2015	1.4 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.64 J	<1 U	<1 U	<1 U	<1 U	
	40-41	10/7/2015	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
VAP-5-GW	45-46	10/7/2015	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
	49-50	10/7/2015	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.27 J	<1 U	<1 U	<1 U	<1 U	
	12-13	10/8/2015	<100 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	170	<10 U	<10 U	<10 U	<10 U	
	15-16	10/8/2015	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	770	<10 U	<10 U	<10 U	<10 U	
	20-21	10/8/2015	<330 U	<33 U	<33 U	<33 U	<33 U	<33 U	<33 U	<33 U	<33 U	<33 U	580	<33 U	<33 U	<33 U	<33 U	
	25-26	10/8/2015	<400 U	<40 U	<40 U	<40 U	<40 U	<40 U	<40 U	<40 U	<40 U	<40 U	1100	<40 U	<40 U	<40 U	<40 U	
	30-31	10/8/2015	<500 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	1300	<50 U	<50 U	<50 U	<50 U	
	35-36 (DUP-2)	10/8/2015	<500 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	1300	<50 U	<50 U	<50 U	<50 U	
	30-35	10/8/2015	<40 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	400	<40 U	<40 U	<40 U	<40 U	
	35-36	10/8/2015	<250 U	<25 U	<25 U	<25 U	<25 U	<25 U	<25 U	<25 U	<25 U	<25 U	630 F1	<25 U	<25 U	<25 U	<25 U	
	40-41	10/8/2015	<40 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	<4 U	76	<4 U	<4 U	<4 U	<4 U	
VAP-7-GW	45-46	10/8/2015	<10 U	<1 U	<1 U	<1 U	0.9 J	<1 U	<1 U	<1 U	<1 U	<1 U	3.5	<1 U	<1 U	<1 U	<1 U	
	49-50	10/8/2015	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	140	<1 U	<1 U	<1 U	<1 U
	13-14	10/9/2015	<20 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	44	<2 U	<2 U	<2 U	<2 U	
	15-16	10/9/2015	<30 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	300	<3 U	<3 U	<3 U	<3 U	
	20-21	10/9/2015	<50 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	140	<5 U	<5 U	<5 U	<5 U	
	25-26	10/9/2015	<33 U	<3.3 U	<3.3 U	<3.3 U	<3.3 U	<3.3 U	<3.3 U	<3.3 U	<3.3 U	<3.3 U	100	<3.3 U	<3.3 U	<3.3 U	<3.3 U	
	30-31	10/9/2015	<20 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	55	<2 U	<2 U	<2 U	<2 U	
	35-36	10/9/2015	<10 U	<1 U	<1 U	<1 U	0.4 J	<1 U	<1 U	<1 U	<1 U	<1 U	10	<1 U	<1 U	<1 U	<1 U	
	40-41	10/9/2015	<10 U	<1 U	<1 U	<1 U	0.4 J	<1 U	<1 U	<1 U	<1 U	<1 U	3.9	<1 U	<1 U	<1 U	<1 U	
	45-46	10/9/2015	56	<1 U	<1 U	<1 U	<1 U	<1 U	0.53 J	<1 U	<1 U	<1 U	0.37 J	<1 U	<1 U	<		

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Table 5.

Summary of Groundwater VOC Analytical Results†

Grenada Manufacturing Facility, Grenada, MS

Notes

Groundwater samples collected by vertical aquifer profile method. Analyzed by Method 8260B. Presented in $\mu\text{g/L}$.

$\mu\text{g/L}$ micrograms per liter

Result is less than the RL but greater than or equal to the MI
and the concentration is an approximate value.

Compound was found in the blank and sample

Compound was found in the blank and sample
/volatile organic compound

Indicates organic compound
indicates the analyte was analyzed for but not detected.

LCS or LCSD is outside acceptable limits
MS and/or MSD recovery is outside acceptable limits

MS and/or MSD recovery is outside acceptable limits
MS/MSD RPD exceeds control limits

MS/MSD RPD exceeds control limits

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Table 6.

Summary of Groundwater SVOC Analytical Results‡

Net

Groundwater samples collected by vertical aquifer profile method
Applied by Method 8270C. Presented in ug/L

Analyzed by Method 8270C. P.

-- Insufficient sample volume to analyze
ug/l micrograms per liter

Result is less than the RL but greater than or equal to the MDL and is expressed as micrograms per liter.

the concentration is an approximate value

B Compound was found in the blank and s.
S/VOC Semi-volatile organic compound.

SVOC Semi-volatile organic compound
U Indicates the analyte was analyzed for but not quantified

- Indicates the analyte was analyzed for but not detected.
- LCS or LCSD is outside acceptable limits

F1 MS and/or MSD recovery is outside acceptable limits
F2 MS/MSD RPD exceeds control limits

F2 MS/MSD RPD exceeds c
H Sample was prepped or a

RE Sample was re-analyzed

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Table 6. Summary of Groundwater SVOC Analytical Results^a
Grenada Manufacturing Facility, Grenada, MS

Location ID	Sample Depth (feet)	Sample Date	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Bis(2-ethylhexyl) phthalate	Butyl Benzyl Phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h) anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Di-n-butyl Phthalate	Di-n-octyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene
Well/Sample Details																				
12-13	10/2/2015	<0.93 U	<0.93 U	<1.9 U	<0.93 U	28	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	0.59 J	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	<9.3 U		
15-16	10/2/2015	<0.96 U	<0.96 U	<1.9 U	<0.96 U	35	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.38 J	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U		
20-21	10/2/2015	<0.96 U	<0.96 U	<1.9 U	<0.96 U	100	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.87 J	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U		
25-26	10/2/2015	<0.96 U	<0.96 U	<1.9 U	<0.96 U	14 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.84 J	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U		
35-36	10/2/2015	<0.96 U	<0.96 U	<1.9 U	<0.96 U	25	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.71 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U		
40-41	10/2/2015	<0.96 U	<0.96 U	<1.9 U	<0.96 U	9.4 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.63 J	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U		
45-46	10/2/2015	<0.93 U	<0.93 U	<1.9 U	<0.93 U	9.5	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	0.7 J	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	<9.3 U		
49-50	10/2/2015	<1 U	<1 U	<2 U	<1 U	28	<0.2 U	<0.2 U	<1 U	<0.2 U	<1 U	<0.84 J	<1 U	<0.2 U	<0.2 U	<1 U	<1 U	<10 U		
15-16	10/5/2015	<0.96 U	<0.96 U	1.8 J	<0.96 U	160 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	1.9	<0.96 U	0.96 B	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
20-21	10/5/2015	<0.93 U	<0.93 U	1.5 J	<0.93 U	32 B	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	0.42 J	<0.93 U	0.52 J	<0.93 U	<0.19 U	<0.93 U	<0.93 U	<9.3 U	
25-26	10/5/2015	<0.96 U	<0.96 U	2.8	<0.96 U	35 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.53 B	<0.96 U	0.63 B	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
30-31	10/5/2015	<0.93 U	<0.93 U	<1.9 U	<0.93 U	20 B	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	0.53 J	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	<9.3 U		
VAP-1-GW	35-36 RE	10/5/2015	<0.96 U H	<0.96 U H	<1.9 U H	<0.98 U H	47.7 H F2 B	<0.96 U H	<0.19 U H	<0.19 U H	<0.96 U H	<0.96 U H	0.72 J	<0.96 U H	<0.19 U H	<0.19 U H	<0.96 U H	<0.96 U H	<9.6 U H	
40-41 RE	10/5/2015	<0.96 U H	<0.96 U H	<1.9 U H	<0.96 U H	9.6 B	<0.96 U H	<0.19 U H	<0.19 U H	<0.96 U H	<0.96 U H	0.23 J	<0.96 U H	0.96 H	<0.96 U H	<0.19 U H	<0.96 U H	<0.96 U H	<9.6 U H	
40-41 (DUP-1) RE	10/5/2015	<0.96 U H	<0.96 U H	<1.9 U H	<0.96 U H	42 H	<0.96 U H	<0.19 U H	<0.19 U H	<0.96 U H	<0.96 U H	0.23 J	<0.96 U H	1.2 H	<0.96 U H	<0.19 U H	<0.96 U H	<0.96 U H	<9.6 U H	
45-46 RE	10/5/2015	<0.96 U H	<0.96 U H	<1.9 U H	<0.96 U H	7.8 B	<0.96 U H	<0.19 U H	<0.19 U H	<0.96 U H	<0.96 U H	0.58 J	<0.96 U H	0.58 B	<0.96 U H	<0.19 U H	<0.96 U H	<0.96 U H	<9.6 U H	
VAP-2-GW	40-41	10/6/2015	<0.96 U	<0.96 U	<1 U	<0.96 U	100 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.46 J	<0.96 U	0.56 J	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U
15-16	10/6/2015	<0.96 U	<0.96 U	2.1 B	<0.96 U	10 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.47 J	<0.96 U	0.57 J	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
20-21	10/6/2015	<0.96 U	<0.96 U	1.5 J	<0.96 U	95 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.41 J	<0.96 U	0.68 J	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
25-26	10/6/2015	<0.96 U	<0.96 U	1.8 J	<0.96 U	1000 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.23 J	<0.96 U	0.71 J	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
30-31	10/6/2015	<0.96 U	<0.96 U	1.5 J	<0.96 U	190 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.57 J	<0.96 U	1.3	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
VAP-3-GW	35-36	10/6/2015	<0.96 U	<0.96 U	2.8	<0.93 U	150 B	<0.96 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	0.58 J	<0.93 U	0.69 J	<0.93 U	<0.19 U	<0.93 U	<0.93 U	<9.3 U
40-41	10/6/2015	<0.96 U	<0.96 U	1.7 B	<0.96 U	300 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.55 J	<0.96 U	0.65 J	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
45-46	10/6/2015	<0.93 U	<0.93 U	<1.9 U	<0.93 U	330 B	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	0.56 J	<0.93 U	0.66 J	<0.93 U	<0.19 U	<0.93 U	<0.93 U	<9.3 U	
49-50	10/6/2015	<0.93 U	<0.93 U	1.6 J	<0.93 U	1600 B	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	1.1 B	<0.93 U	0.19 U	<0.19 U	<0.93 U	<0.93 U	<9.3 U		
VAP-4-GW	15-16	10/6/2015	<0.96 U	<0.96 U	3 B	<0.96 U	240 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.31 J	<0.96 U	1.2 B	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U
20-21	10/6/2015	<1 U	<1 U	2.3 B	<1 U	170 B	<1 U	<0.2 U	<0.2 U	<1 U	<1 U	1 B	<1 U	<0.2 U	<0.2 U	<1 U	<1 U	<10 U		
25-26	10/6/2015	<1 U	<1 U	2.8	<1 U	40 B	<1 U	<0.2 U	<0.2 U	<1 U	<1 U	1.1 B	<1 U	<0.2 U	<0.2 U	<1 U	<1 U	<10 U		
30-31	10/6/2015	<0.96 U	<0.96 U	1.6 B	<0.96 U	190 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	1.2	<0.96 U	0.19 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U		
VAP-5-GW	35-36	10/7/2015	<1 U	<1 U	<2 U	<1 U	72 B	<1 U	<0.2 U	<0.2 U	<1 U	<1 U	0.67 J	<1 U	<0.2 U	<0.2 U	<1 U	<1 U	<10 U	
40-41	10/7/2015	<0.96 U	<0.96 U	<1.9 U	<0.96 U	6.8 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.61 J	<0.96 U	0.19 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U		
45-46	10/7/2015	<0.93 U	<0.93 U	1.6 J	<0.93 U	50 B	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	1.5	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	<9.3 U		
48-49	10/7/2015	<0.93 U	<0.93 U	110 B	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	<0.93 U	0.94	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	<9.3 U			
VAP-6-GW	15-16	10/7/2015	<1 U	<1 U	1.5 J	<1 U	13 B	<1 U	<0.2 U	<0.2 U	<1 U	<1 U	0.71 J	<1 U	<0.2 U	<0.2 U	<1 U	<1 U	<10 U	
20-21	10/7/2015	<0.93 U	<0.93 U	4.2 B	<0.93 U	160 B	<0.93 U	<0.19 U	<0.19 U	<0.93 U	<0.93 U	0.67 J	<0.93 U	0.19 U	<0.19 U	<0.93 U	<0.93 U	<9.3 U		
25-26	10/7/2015	<0.96 U	<0.96 U	3.7 H	<0.96 U	71 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.38 J	<0.96 U	0.38 H	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
30-31	10/7/2015	<0.96 U	<0.96 U	1.9 B	<0.96 U	30 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.81 J	<0.96 U	0.19 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U		
VAP-7-GW	25-26 RE	10/8/2015	<0.93 U H	<0.93 U H	<0.93 U H	<0.93 U H	52 B	<0.93 U H	<0.19 U H	<0.19 U H	<0.93 U H	<0.93 U H	0.37 J	<0.93 U H	0.37 H	<0.93 U H	<0.19 U H	<0.93 U H	<0.93 U H	
30-31 (DUP-1) RE	10/8/2015	<0.96 U H	<0.96 U H	<0.96 U H	<0.96 U H	22 B	<0.96 U H	<0.19 U H	<0.19 U H	<0.96 U H	<0.96 U H	0.40 J	<0.96 U H	0.40 H	<0.96 U H	<0.19 U H	<0.96 U H	<0.96 U H		
30-31 (DUP-3) RE	10/9/2015	<1 U H	<1 U H	<2 U H	<1 U H	2 H	<1 U H	<0.22 U H	<0.22 U H	<1 U H	<1 U H	0.62 J	<1 U H	0.62 H	<1 U H	<0.22 U H	<1 U H	<1 U H	<10 U H	
VAP-8-GW	13-14	10/9/2015	<0.96 U	<0.96 U	1.7 B	<0.96 U	39 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.63 J	<0.96 U	0.19 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
15-16	10/9/2015	<0.96 U	<0.96 U	<1 U	<0.96 U	1.1 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.56 J	<0.96 U	0.19 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U		
20-21	10/9/2015	<0.96 U	<0.96 U	1.2 B	<0.96 U	33 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.53 J	<0.96 U	0.23 J	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
25-26	10/9/2015	<0.96 U	<0.96 U	1.3 B	<0.96 U	25.5 H	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.65 J	<0.96 U	0.72 J	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
25-26	10/9/2015	<0.96 U	<0.96 U	1.3 U	<0.96 U	26.0 H	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.51 J	<0.96 U	0.84 J	<0.96 U	<0.19 U	<0.96 U	<0.96 U	<9.6 U	
30-31	10/9/2015	<0.96 U	<0.96 U	2 B	<0.96 U	70 B	<0.96 U	<0.19 U	<0.19 U	<0.96 U	<0.96 U	0.24 J	<0.96 U	1.2 B	<0.96 U	<0.19 U				

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Table 6.

Summary of Groundwater SVOC Analytical Results‡

Not

Groundwater samples collected by vertical aquifer profile method
Analyzed by Method 8270C. Presented in $\mu\text{g/L}$.

-- Insufficient sample volume to analyze

micrograms per liter
Result is less than the RL but greater than or equal to the MDL or

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

Compound was found in the blank and sample

SVOC Semi-volatile organic compound

Indicates the analyte was analyzed for but LCS or LCSd is outside acceptable limits

- LCS or LCSD is outside acceptable limits
- E1 MS and/or MSD recovery is outside acceptable limits

F2 MS/MSD RPD exceeds c

H Sample was prepped or analyzed

RE Sample was re-analyzed

Table 7.

Summary of Groundwater Metals Analytical Results‡

Grenada Manufacturing Facility, Grenada, MS

DRAFT

Location ID	Sample Depth (feet)	Sample Date	Arsenic	Barium	Cadmium	Chromium	Chromium VI	Lead	Selenium	Silver	Mercury
Well/Sample Details											
VAP-1-GW	12-13	10/2/2015	60	370 B	1 J	120	< 10 U	42	< 5 U	< 5 U	0.11 J
	15-16	10/2/2015	< 10 U	34 J B	< 2 U	14	< 10 U	3.5	< 5 U	< 5 U	< 0.2 U
	20-21	10/2/2015	< 10 U	50 J B	0.14 J	18	< 10 U	4.3	< 5 U	< 5 U	< 0.2 U
	25-26	10/2/2015	30	520 B	1.4 J	200	< 10 U	82	7.7	< 5 U	< 0.2 U
	30-31	10/2/2015	12	830 B	0.71 J	280	< 10 U	45	< 5 U	< 5 U	< 0.2 U
	35-36	10/2/2015	24	360 B	0.67 J	320	< 10 U	81	< 5 U	< 5 U	< 0.2 U
	40-41	10/2/2015	38	630 B	1.2 J	430	< 10 U	62	4.9 J	< 5 U	< 0.2 U
	45-46	10/2/2015	7.2 J	660 B	1 J	210	< 10 U	75	4.9 J	< 5 U	< 0.2 U
	49-50	10/2/2015	12	490 B	0.89 J	200	< 10 U	31	< 5 U	< 5 U	< 0.2 U
	15-16	10/5/2015	7.9 J	180 J	0.2 J	38 B	16	10	4.5 J	< 5 U	< 0.2 U
VAP-2 GW	20-21	10/5/2015	5.5 J	83 J	< 2 U	12 B	< 10 U	5.1	< 5 U	< 5 U	< 0.2 U
	25-26	10/5/2015	61	1300	1.2 J	460 B	< 10 U	150	8.7	< 5 U	1.8
	30-31	10/5/2015	5.4 J	180 J	0.14 J	21 B	< 10 U	9	< 5 U	< 5 U	< 0.2 U
	35-36	10/5/2015	5.7 J	180 J	0.3 J	51 B	< 10 U	15	< 5 U	< 5 U	< 0.2 U F1
	40-41	10/5/2015	120	1800	5.5	660 B	< 10 U	230	67	< 5 U	1.2
	40-41 (DUP-1)	10/5/2015	41	1100	2.4	200 B	< 10 U	85	22	< 5 U	0.32
	45-46	10/5/2015	22	450	0.8 J	120 B	< 10 U	44	< 5 U	< 5 U	0.11 J
	49-50	10/5/2015	< 10 U	36 J	< 2 U	1.2 J B	< 10 U	< 3 U	< 5 U	< 5 U	< 0.2 U
	15-16	10/6/2015	10	230	0.62 J	35 B	< 10 U	11	< 5 U	< 5 U	< 0.2 U
	20-21	10/6/2015	13	210	0.23 J	73 B	< 10 U	9.8	< 5 U	< 5 U	< 0.2 U
VAP-3-GW	25-26	10/6/2015	16	120 J	0.41 J	29 B	< 10 U	13	< 5 U	< 5 U	< 0.2 U
	30-31	10/6/2015	27	2300	1.3 J	870 B	< 10 U	260	19	< 5 U L	1
	35-36	10/6/2015	8.6 J	380	0.31 J	140 B	< 10 U	35	< 5 U	< 5 U	< 0.2 U
	40-41	10/6/2015	17	1100	1.2 J	470 B	< 10 U	150	9.5	< 5 U	0.17 J
	45-46	10/6/2015	8.1 J	410	2.7	140 B	< 10 U	39	21	< 5 U	0.095 J
	49-50	10/6/2015	23	380	0.54 J	140 B	< 10 U	34	< 5 U	< 5 U	0.16 J
	15-16	10/6/2015	130	980	1.9 J	260 B	< 10 U	57	4.1 J	< 5 U	0.22
	20-21	10/6/2015	19	410	0.24 J	130 B	< 10 U	32	< 5 U	< 5 U	< 0.2 U
	25-26	10/6/2015	19	260	0.21 J	100 B	< 10 U	34	< 5 U	< 5 U	0.38
	30-31	10/6/2015	96	1300 B	1.6 J	550	< 10 U	280	< 5 U	< 5 U L	2.3
VAP-4-GW	35-36	10/7/2015	66	2400 B	3.9	670	< 10 U	230	11	< 5 U L	1
	40-41	10/7/2015	15	1400 B	1.4 J	380	< 10 U	130	7	< 5 U	< 0.2 U
	45-46	10/7/2015	15	1500 B	2.1	690	< 10 U	190	11	< 5 U	0.15 J
	48-49	10/7/2015	56	2400 B	4.1	2000	< 10 U	220	12	< 5 U L	0.54
	15-16	10/7/2015	14	440 B	1 J	100	< 10 U	37	< 5 U	< 5 U	1
	20-21	10/7/2015	35	140 J B	0.26 J	40	< 10 U	11	< 5 U	< 5 U	0.2
	25-26	10/7/2015	9.2 J	240 B	0.18 J	55	< 10 U	23	< 5 U	< 5 U	0.11 J
	30-31	10/7/2015	7.8 J	380 B	3.6	210	< 10 U	96	29	< 5 U	0.28
	35-36	10/7/2015	12	280 B	0.48 J	48	< 10 U	30	< 5 U	< 5 U	0.15 J
	40-41	10/7/2015	14	190 J B	0.66 J	33	< 10 U	18	< 5 U	< 5 U	< 0.2 U
VAP-5-GW	45-46	10/7/2015	16	220 B	0.68 J	54	< 10 U	28	< 5 U	< 5 U	< 0.2 U
	49-50	10/7/2015	--	--	--	--	--	--	--	--	--
	12-13	10/8/2015	--	--	--	--	--	--	--	--	--
	15-16	10/8/2015	51	960 B	0.93 J	250	< 10 U	79	< 5 U	< 5 U	0.24
	20-21	10/8/2015	< 10 U	21 J B	< 2 U	2.4 J	< 10 U	< 3 U	< 5 U	< 5 U	< 0.2 U
	25-26	10/8/2015	34	590 B	0.55 J	260	< 10 U	90	< 5 U	< 5 U	2.1
	30-31	10/8/2015	12	210 B	0.19 J	78	< 10 U	29	< 5 U	< 5 U	< 0.2 U
	30-31 (DUP-2)	10/8/2015	12	250 B	0.43 J	92	< 10 U	31	< 5 U	< 5 U	< 0.2 U
	30-35	10/8/2015	< 10 U	69 J B	< 2 U	5.1	< 10 U	< 3 U	< 5 U	< 5 U	< 0.2 U
	40-41	10/8/2015	5.3 J	180 J B	0.19 J	53	< 10 U	13	< 5 U	< 5 U	0.1 J
VAP-6-GW	45-46	10/8/2015	77	1400 B	1.2 J	740	< 10 U	180	54	< 5 U	3
	49-50	10/8/2015	9.3 J	340 B	1 J	160	< 10 U	92	42	< 5 U	0.21

Table 7.

Summary of Groundwater Metals Analytical Results‡

Grenada Manufacturing Facility, Grenada, MS

DRAFT

Location ID	Sample Depth (feet)	Sample Date	Arsenic	Barium	Cadmium	Chromium	Chromium VI	Lead	Selenium	Silver	Mercury
Well/Sample Details											
VAP-7-GW	13-14	10/9/2015	18	350 B	0.32 J	130	< 10 U	33	8.3	< 5 U	0.11 J
	15-16	10/9/2015	18	320 B	0.5 J	120	< 10 U	33	< 5 U	< 5 U	0.14 J
	20-21	10/9/2015	6.4 J	190 J B	< 2 U	43	< 10 U	11	< 5 U	< 5 U	< 0.2 U
	25-26	10/9/2015	12	390 B	0.44 J	140	< 10 U	47	< 5 U	< 5 U	0.093 J
	30-31	10/9/2015	9.4 J	280 B	0.4 J	93	< 10 U	38	4.9 J	< 5 U	0.099 J
	30-31 (DUP-3)	10/9/2015	11	310 B	0.4 J	110	< 10 U	46	4 J	< 5 U	0.19 J
	35-36	10/9/2015	35	790 B	1.5 J	380	< 10 U	390	51	< 5 U	1.2
	43-44	10/9/2015	46	330 B	0.73 J	180	< 10 U	39	< 5 U	< 5 U	0.17 J
	48-49	10/9/2015	28	250 B	0.31 J	86	18	27	< 5 U	< 5 U	0.18 J
	18-19	10/8/2015	26	680 B	0.7 J	200	< 10 U	70	< 5 U	< 5 U	0.31
VAP-8-GW	20-21	10/8/2015	120	570 B	0.84 J	180	< 10 U	77	< 5 U	< 5 U	< 0.2 U
	25-26	10/8/2015	14	920 B	0.42 J	260	< 10 U	100	4.5 J	< 5 U	0.21
	30-31	10/8/2015	10	520 B	0.2 J	190	< 10 U	47	< 5 U	< 5 U	0.17 J
	35-36	10/8/2015	17	820 B	0.41 J	480	< 10 U	280	13	< 5 U L	0.35
	40-41	10/8/2015	69	1100 B	12	500	< 10 U	470	190	< 5 U	0.91
	45-46	10/8/2015	84	440 B	2.5	180	< 10 U	80	14	< 5 U	0.22
	49-50	10/8/2015	4 J	250 B	0.17 J	39	< 10 U	13	< 5 U	< 5 U	< 0.2 U
	15-16	10/1/2015	43	280 B	0.77 J	130	< 10 U	31	< 5 U	< 5 U	0.28
VAP-9-GW	20-21	10/1/2015	48	1600 B	4.7	680	< 10 U	280	26	< 5 U	1.6
	25-26	10/1/2015	19	900 B	1.4 J	330	< 10 U	82	< 5 U	< 5 U	0.12 J
	30-31	10/1/2015	9.8 J	420 B	0.59 J	120	< 10 U	56	12	< 5 U	0.26
	35-36	10/1/2015	< 10 U	120 J B	0.21 J	1.3 J	< 3 U	< 5 U	< 5 U	< 0.2 U	
	40-41	10/1/2015	8.8 J	540 B	0.69 J	180	< 10 U	75	< 5 U	< 5 U	< 0.2 U
	45-46	10/1/2015	13	510 B	1.7 J	150	< 10 U	42	< 5 U	< 5 U	0.14 J
	49-50	10/1/2015	25	590 B	2	270	< 10 U	71	6.9	< 5 U	< 0.2 U
	16-17	10/20/2015	24	460 B	0.77 J	130	< 10 U	34	< 5 U	< 5 U	0.17 J
VAP-10-GW	20-21	10/20/2015	4.2 J	43 J B	0.18 J	5	< 10 U	< 3 U	< 5 U	< 5 U	< 0.2 U
	20-25	10/20/2015	49	490 B	1.2 J	410	< 10 U	76	< 5 U	< 5 U	0.43
	30-31	10/20/2015	16	720 B	1 J	400	< 10 U	64	4.4 J	< 5 U L	0.82
	35-36	10/20/2015	3.7 J	330 B	0.57 J	96	< 10 U	43	4.4 J	< 5 U	< 0.2 U
	40-41	10/20/2015	--	--	--	--	--	--	--	--	--
	45-46	10/20/2015	36	750 B	1.6 J	570	< 10 U	73	4.8 J	< 5 U	0.15 J
	49-50	10/20/2015	--	--	--	--	--	--	--	--	--

Notes

‡

Groundwater samples collected by vertical aquifer profile method. Analyzed by Method 6010B, Method SM 3500-Cr B for Cr VI, and Method 7470A for Mercury. Presented in µg/L.

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Insufficient sample volume to analyze

µg/L

micrograms per liter

J

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

B

Compound was found in the blank and sample

U

Indicates the analyte was analyzed for but not detected.

Table 8.

Summary of Quality Control/Quality Assurance VOC Analytical Results‡

Grenada Manufacturing Facility, Grenada, MS

DRAFT

Location ID	TB-01 (100115)	TB-01 (101915)	TB-02 (100515)	TB-03 (100715)	TB-04 (100715)	TB-05(100815)	TB-06(100815)	TB-07(100915)
Sample Date	10/1/2015	10/19/2015	10/5/2015	10/7/2015	10/7/2015	10/8/2015	10/8/2015	10/9/2015
1,1,1-Trichloroethane	<1 U	<1 U	<1 U	<1 U				
1,1,2,2-Tetrachloroethane	<1 U	<1 U	<1 U	<1 U				
1,1,2-Trichloro-1,2,2-trifluoroethane	<1 U	<1 U	<1 U	<1 U				
1,1,2-Trichloroethane	<1 U	<1 U	<1 U	<1 U				
1,1-Dichloroethane	<1 U	<1 U	<1 U	<1 U				
1,1-Dichloroethene	<1 U	<1 U	<1 U	<1 U				
1,2,4-Trichlorobenzene	<1 U	<1 U	<1 U	<1 U				
1,2-Dibromo-3-Chloropropane	<2 U	<2 U	<2 U	<2 U				
1,2-Dichlorobenzene	<1 U	<1 U	<1 U	<1 U				
1,2-Dichloroethane	<1 U	<1 U	<1 U	<1 U				
1,2-Dichloropropane	<1 U	<1 U	<1 U	<1 U				
1,3-Dichlorobenzene	<1 U	<1 U	<1 U	<1 U				
1,4-Dichlorobenzene	<1 U	<1 U	<1 U	<1 U				
2-Butanone (MEK)	<10 U	<10 U	<10 U	<10 U				
2-Hexanone	<10 U	<10 U	<10 U	<10 U				
4-Methyl-2-pentanone (MIBK)	<10 U	<10 U	<10 U	<10 U				
Acetone	3.2 J	3 J	1 J	2.2 J	3.9 J	2.1 J B	<10 U	3.3 J
Benzene	<1 U	<1 U	<1 U	<1 U				
Bromoform	<1 U	<1 U	<1 U	<1 U				
Bromomethane	<1 U	<1 U	<1 U	<1 U				
Carbon disulfide	<1 U	<1 U	0.63 J	<1 U				
Carbon tetrachloride	<1 U	<1 U	<1 U	<1 U				
Chlorobenzene	<1 U	<1 U	<1 U	<1 U				
Chlorodibromomethane	<1 U	<1 U	<1 U	<1 U				
Chloroethane	<1 U	<1 U	<1 U	<1 U				
Chloroform	<1 U	<1 U	<1 U	<1 U				
Chloromethane	<1 U	<1 U	<1 U	<1 U				
cis-1,2-Dichloroethene	<1 U	<1 U	<1 U	<1 U				
cis-1,3-Dichloropropene	<1 U	<1 U	<1 U	<1 U				
Cyclohexane	<1 U	<1 U	<1 U	<1 U				
Dichlorobromomethane	<1 U	<1 U	<1 U	<1 U				
Dichlorodifluoromethane	<1 U	<1 U	<1 U	<1 U				
Ethylbenzene	<1 U	<1 U	<1 U	<1 U				
Ethylene Dibromide	<1 U	<1 U	<1 U	<1 U				
Isopropylbenzene	<1 U	<1 U	<1 U	<1 U				
Methyl acetate	<10 U	<10 U	<10 U	<10 U				
Methyl tert-butyl ether	<1 U	<1 U	<1 U	<1 U				
Methylcyclohexane	<1 U	<1 U	<1 U	<1 U				
Methylene Chloride	<1 U	<1 U	<1 U	<1 U				
Styrene	<1 U	<1 U	<1 U	<1 U				
Tetrachloroethene	<1 U	<1 U	<1 U	<1 U				
Toluene	<1 U	<1 U	<1 U	<1 U				
trans-1,2-Dichloroethene	<1 U	<1 U	<1 U	<1 U				
trans-1,3-Dichloropropene	<1 U	<1 U	<1 U	<1 U				
Trichloroethene	<1 U	<1 U	<1 U	<1 U				
Trichlorofluoromethane	<1 U	<1 U	<1 U	<1 U				
Vinyl chloride	<1 U	<1 U	<1 U	<1 U				
Xylenes, Total	<2 U	<2 U	<2 U	<2 U				

Notes

‡

Analyzed by Method 8260B. Presented in µg/L.