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March 29, 2019



Mr. David Brownlee
Georgia Environmental Protection Division
Response and Remediation Program
2 Martin Luther King Jr. Drive, SE; Suite 1462
Atlanta, Georgia 30334

19-153366-001

Subject: Report of Annual Groundwater Sampling and Site Inspection
Former Diversey/Olympic Manufacturing Site
3051 Olympic Industrial Drive, Smyrna, Georgia
Delisted HSI Site 10435

Dear Mr. Brownlee:

The annual groundwater sampling and property evaluation for the Former Olympic Manufacturing/Diversey Site (Site) has been completed and is described in this report. The work was conducted by Tyson Foods, Inc. (on behalf of The Hillshire Brands Company) and Rathon Corp. (Rathon). The work performed and results are provided below.

Groundwater Sampling

Consistent with EPD's September 28, 2015 letter and the February 29, 2016 Final Compliance Status Report (CSR) for the above site, groundwater samples were collected from the Site monitoring wells MW-9a, MW-9b, MW-20 and OW-74a (Figure 1). The water levels in the wells were gauged prior to purging and sampling, and groundwater samples were collected in accordance with Georgia Environmental Protection Division and U.S. Environmental Protection Agency (USEPA) protocols. The sampling data sheets are provided in Attachment A. One duplicate sample, one equipment blank, and one trip blank were also collected. All samples were analyzed at a certified laboratory for volatile organic compounds (VOCs) according to USEPA Method 8260B.

The current and historical groundwater level and elevation data are presented in Tables 1a and 1b, respectively. The current water level elevations were slightly higher than typical, which is expected given the heavy rainfall in recent months. The results of the laboratory analyses are presented in Table 2, and the laboratory report is provided as Attachment B. As shown in Table 3, the recent laboratory results are consistent with previous data and expected results for the Site.

Annual Property Evaluation

BC completed an annual property evaluation of the Former Olympic Manufacturing property, now owned by Airgas Refrigerants, Inc., as required in EPD's June 23, 2017 delisting letter and the May 22, 2017 Uniform Environmental Covenant for this property.

The property and adjacent properties remain nonresidential, and no wells for drinking water or other purposes have been installed or are in use on the property or the neighboring properties. The completed Annual Property Evaluation Form is provided as Attachment C.

If you have any questions regarding this report, please do not hesitate to call Trish Reifenger at (770) 673-3630.

Very truly yours,

Brown and Caldwell



Alex Horton
Environmental Scientist



Trish Reifenger, P.E.
Project Manager

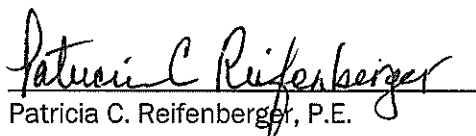
cc: Kirby McCalister, Tyson Foods, Inc.
Ben Moline, Rathon Corp.
Silvia Doppel, Airgas, Inc.

Enclosures:

Figure 1
Tables 1a, 1b, 2, and 3
Attachments A, B, and C

Certification

I certify that I am a qualified environmental professional who has received a baccalaureate or post-graduate degree in a natural science or engineering, and have sufficient training and experience in environmental sciences, engineering, and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant remediation. I further certify that this plan was prepared by myself or by another environmental professional working under my direction.


Patricia C. Reifenger, P.E.

March 29, 2019
(date)

Georgia Registration Number: 20676





LEGEND

 Existing Monitoring Wells

17096200150

Cobb County Tax Parcel Identification Number (PIN)

Figure 1
Former Olympic Manufacturing Site

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive; Smyrna, Georgia

Former Olympic Manufacturing Site
3051 Olympic Industrial Drive
Smyrna, Georgia

Brown AND Caldwell

SAVED DATE: 12/22/2017

SCALE: AS SHOWN

DRAWN BY: GTG

CHECKED BY: PCR

PROJECT #: 145686

R:\Projects\Sara_Lee\Mapdocs\Figure 1 - Site Monitoring Wells and Neighboring Properties.mxd

Table 1a. Depth to Water 2010-2019
Former Olympic Manufacturing Site, Smyrna, Georgia

Well	Top of Casing Elev., ft	Depth to Water from Top of Casing, feet														
		Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Mar-15	Apr-15	Oct-15	Oct-17	Mar-19
MW-9a	833.15	19.29	21.55	19.32	23.48	21.34	23.90	18.70	18.65	17.38	21.17	19.38	19.32	21.11	20.42	17.65
MW-9b	833.19	19.53	22.19	19.92	23.80	22.20	24.49	19.10	17.27	17.51	20.82	19.66	19.21	20.77	20.00	16.62
MW-20	800.83	ni ^a	ni	ni	ni	ni	ni	33.06	33.11	32.42	33.01	29.44	33.09	33.16	33.23	32.47
OW-74A	800.00	15.33	17.53	17.74	20.82	20.61	23.70	20.12	17.66	16.41	17.30	17.17	17.14	18.23	18.83	15.95

^a "ni" indicates well not installed at this time.

Table 1b. Groundwater Elevation 2010-2019
Former Olympic Manufacturing Site; Smyrna, Georgia

Well	Top of Casing Elev., ft	Groundwater Elevation, feet														
		Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Mar-15	Apr-15	Oct-15	Oct-17	Mar-19
MW-9a	833.15	813.86	811.60	813.83	809.67	811.81	809.25	814.45	814.50	815.77	811.98	813.77	813.83	812.04	812.73	815.50
MW-9b	833.19	813.66	811.00	813.27	809.39	810.99	808.70	814.09	815.92	815.68	812.37	813.53	813.98	812.42	813.19	816.57
MW-20	800.83	ni ^a	ni	ni	ni	ni	ni	767.77	767.72	768.41	767.82	771.39	767.74	767.67	767.60	768.36
OW-74A	800.00	784.67	782.47	782.26	779.18	779.39	776.30	779.88	782.34	783.59	782.70	782.83	782.86	781.77	781.17	784.05

^a "ni" indicates well not installed at this time.

Table 2. Groundwater Sample Analytical Detections, March 2019
Former Olympic Manufacturing Site, Smyrna, Georgia

Constituent	Concentration (micrograms per liter)						VRP ^b Cleanup Level	
	Monitoring Wells				QA/QC Samples			
	MW-9a	MW-9b	MW-20	OW-74A	17298-EB	MW-32 (OW-74A dup)		
Screened Interval, bgs ^a	17 to 27	53.5-58.5	33 to 43	42 to 81				
Sampling Date	3/14/19	3/14/19	3/13/19	3/13/19	3/14/19	3/13/19		
Volatile Organics, Method 8260B								
Acetone	< 50	< 50	< 50	< 50	59	< 50	4,000	Type 1
2-Butanone	<50	<50	<50	<50	140	<50	2,000	Type 1
Chlorobenzene	160^c	140	< 5.0	< 5.0	< 5.0	< 5.0	136	Type 4
1,3-Dichlorobenzene	18	15	< 5.0	< 5.0	< 5.0	< 5.0	600	Type 1
1,4-Dichlorobenzene	23	21	< 5.0	< 5.0	< 5.0	< 5.0	75	Type 1
<i>cis</i> -1,2-Dichloroethene	<5.0	<5.0	< 5.0	130	< 5.0	120	1,020	Type 4
Ethylbenzene	< 5.0	39	< 5.0	< 5.0	< 5.0	< 5.0	700	Type 1
Tetrachloroethene	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	Type 1
Trichloroethene	<5.0	< 5.0	< 5.0	8.5	< 5.0	7.9	35	Type 4
Vinyl Chloride	<2.0	<2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.3	Type 4
m,p-Xylene	<5.0	100	<5.0	<5.0	<5.0	<5.0	10,000 ^d	Type 1
o-Xylene	<5.0	45	<5.0	<5.0	<5.0	<5.0	10,000 ^d	Type 1

^a "bgs" indicates below ground surface.

^b "VRP" indicates Georgia Environmental Protection Division Voluntary Remediation Program.

^c Bold indicates analytical detection above VRP cleanup level.

^d Standard for Total Xylenes.

Table 3. Groundwater Sampling Results 2010-2019
Former Olympic Manufacturing Site, Smyrna, GA

Parameter	Concentration (micrograms per liter)																																		
	MW-9a 17 to 27 ft bgs ^a						MW-9b 53.5 to 58.5 ft bgs						MW-20 33 to 43 bgs								OW-74A 42 to 81 ft bgs														
	Apr 10 - Oct 14	Mar-15	Apr-15	Oct-15	Oct-17	Mar-19	Apr 10 - Oct 14	Mar-15	Apr-15	Oct-15	Oct-17	Mar-19	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Oct-15	Oct-17	Mar-19	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Oct-15	Oct-17	Mar-19	
Volatile Organics, Method 8260	ns ^b						ns																												
Acetone		< 50	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 50	< 50	< 50	<50	<50	<50	<50	<50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	
Benzene		< 5.0	< 5.0	< 5.0	< 5.0	< 50		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Bromodichloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 50		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
2-Butanone		< 50	< 50	< 50	< 50	< 50		< 50	< 50	< 50	< 50	< 50	< 50	<50	<50	<50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	
Carbon disulfide		< 5.0	< 5.0	< 5.0	< 5.0	< 50		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Chlorobenzene		69	150	170	52	160		280	230	200	160	140	< 5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Chloroethane		< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	<10	<10	<10	<10	<10	<10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Chloroform		15	8.7	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Dibromochloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
1,2-Dichlorobenzene		< 5.0	9.3	15	< 5.0	< 5.0		< 5.0	<5.0	18.0	<5.0	<5.0	< 5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
1,3-Dichlorobenzene		8	14	26	10	18		31	23	32	16	15	< 5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
1,4-Dichlorobenzene		10	22	34	13	23		42	36	41	23	21	< 5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
1,1-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5.0	<5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
1,2-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
1,1-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
cis-1,2-Dichloroethene		< 5	< 5.0	< 5.0	6.2	< 5.0		< 5	< 5.0	< 5.0	10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	150	210	200	180	120	100	74	180	160	240 J	140	150	94	130	
trans-1,2-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Ethylbenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		50	31	< 5.0	15	39	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Isopropylbenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		5.8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Methylene chloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Styrene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Tetrachloroethene		31	16	< 5.0	33	5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	6.5	< 5.0	5.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Toluene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
1,1,1-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
1,1,2-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Trichloroethene		< 5.0	< 5.0																																

^a "bgs" indicates below ground surface.

^b "ns" indicates well not sampled.

Attachment A: Sampling Data Sheets

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-9a

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004

Area of Concern: _____

Client: Hillshire BrandsPersonnel: A. HortonProject Location: Smyrna, GeorgiaWeather: 68°F Cloudy

2. WELL DATA

Date Measured: 3/14/19 Time: 1245Temporary Well: ☐ Yes ☒ NoCasing Diameter: 2 inchesType: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____Screen Diameter: 2 inchesType: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____Total Depth of Well: 28.00 feetFrom: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____Depth to Static Water: 17.65 feetFrom: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____Depth to Product: — feetFrom: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____Length of Water Column: 10.35 feetWell Volume: 1.73 gal

Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 3/14/19 Time: 1245

Equipment Model(s)

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____Materials: Pump/Bailer☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____
☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ DisposableMaterials: Rope/Tubing☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____
☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ DisposableVolume to Purge (minimum): 3 well volumes or 5.19 gallonsWas well purged dry? ☐ Yes ☐ No Pumping Rate: 0.14 gal/minCalibrated? ☒ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1250	2	6.86	20.14	0.377	-84	1.87	2.3	19.79	
1255	3.75	6.79	20.26	0.351	-88	0.67	1.9	20.163	
1300	5	6.87	20.54	0.422	-108	0.35	0.9	21.51	
1305	6.5	6.90	20.84	0.487	-117	0.28	2.9	21.21	
1310	7.5	6.76	20.88	0.523	-127	0.25	1.5	21.02	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____Materials: Pump/Bailer☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____
☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ DisposableMaterials: Tubing/Rope☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____
☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ DisposableDepth to Water at Time of Sampling: 20.97Field Filtered? ☐ Yes ☐ NoSample ID: R073-MW-9aSample Date: 3/14/19Sample Time: 1315# of Containers: 2Duplicate Sample Collected? ☐ Yes ☒ NoID: —# of Containers: —Equipment Blank Collected? ☐ Yes ☒ NoID: —# of Containers: —

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Pump intake at ≈ 23' bgs

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-9a

3. PURGE DATA (continued from page _____)

[illegible]Purge data continued on next sheet? ☐

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-9b

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004Area of Concern: Culdesac, Crimson PrepClient: Hillshire BrandsPersonnel: A. HortonProject Location: Smyrna, GeorgiaWeather: 58°F Partly cloudy

2. WELL DATA

Date Measured: 3/13/19 Time: 1425Temporary Well: ☐ Yes ☒ NoCasing Diameter: 2 inchesType: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:Screen Diameter: 2 inchesType: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:Total Depth of Well: 58.88 feetFrom: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:Depth to Static Water: 16.62 feetFrom: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: _____ feet

From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:Length of Water Column: 42.46 feetWell Volume: 7.06 gal

Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 3/13/19 Time: 1425

Equipment Model(s)

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:Materials: ☒ Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ DisposableMaterials: ☒ Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ DisposableVolume to Purge (minimum): 3 well volumes or 21.18 gallonsWas well purged dry? ☐ Yes ☒ No Pumping Rate: 0.36 gal/minCalibrated? ☒ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1430	1.25	7.94	21.52	0.281	234	3.71	11.4	21.04	
1440	3.25	7.41	20.94	0.632	-129	1.79	8.2	30.74	lowered pump
1445	4.5	7.10	21.06	0.934	-135	0.70	1.3	31.84	
1450	5.25	7.47	20.60	0.951	-175	1.43	1.0	32.68	lowered pump
1455	6.5	7.48	20.76	0.926	-175	0.46	1.9	31.95	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:Materials: ☒ Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ DisposableMaterials: ☒ Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ DisposableDepth to Water at Time of Sampling: 32.82 Field Filtered? ☐ Yes ☒ NoSample ID: 19072-MW-9b Sample Date: 3/14/19 Sample Time: 1225 # of Containers: 2Duplicate Sample Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____Equipment Blank Collected? ☒ Yes ☐ No ID: 19072-EB # of Containers: 2

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Pump intake at 20.5' starting out, moved to 32.5, then to 37. Pump stopped working

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-9b

3. PURGE DATA (continued from page)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1500	7.5	7.48	20.67	0.909	-185	0.21	3.4	34.31	
1505	8.5	7.45	20.66	0.887	-187	0.17	3.3	36.60	
1510	10	7.46	20.77	0.889	-189	0.15	12.9	34.90	
1515	11	7.48	20.70	0.897	-193	0.15	12.0	34.58	
1520	12	7.48	20.75	0.893	-194	0.14	8.3	34.70	
1535	14.5	7.43	20.71	0.884	-195	0.13	6.3	37.0	
	Monsoon pump stopped working, will restart well purging/sampling tomorrow								
1100	0.25	7.49	19.81	0.873	107	1.87	8.2	23.75	
1105	2	7.45	19.87	0.871	-82	0.90	6.7	27.32	
1110	3.5	7.46	19.82	0.872	-135	0.43	5.1	28.91	
1115	4.25	7.48	19.85	0.905	-150	0.48	7.2	30.90	
1120	5	7.49	19.91	0.908	-163	0.61	5.7	32.17	
1125	7	7.47	19.94	0.895	-170	0.29	6.2	32.67	
1130	8.5	7.48	20.04	0.887	-176	0.72	6.5	32.78	
1135	9.25	7.48	20.07	0.881	-167	1.13	5.4	33.68	
1140	10.25	7.48	20.09	0.875	-176	0.99	4.0	33.97	
1145	12.5	7.48	20.13	0.872	-180	0.85	3.8	34.03	
1150	13.25	7.46	20.09	0.870	-181	0.16	4.0	34.03	
1155	14.5	7.47	20.20	0.804	-183	0.16	3.2	34.13	
1200	16.75	7.46	20.22	0.860	-186	0.15	2.8	33.67	
1205	18	7.48	20.22	0.855	-189	0.14	2.5	33.21	
1210	19	7.47	20.19	0.853	-188	0.14	2.2	33.08	
1215	20.25	7.48	20.26	0.850	-191	0.14	2.1	33.04	
1220	21.50	7.48	20.25	0.848	-190	0.14	1.9	32.82	

Purge data continued on next sheet? ☐

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-20

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004Area of Concern: CCWSClient: Hillshire BrandsPersonnel: A. HortonProject Location: Smyrna, GeorgiaWeather: 50°F Sunny

2. WELL DATA

Date Measured: 03/12/19 Time: 1050 Temporary Well: ☐ Yes ☒ NoCasing Diameter: 2 inchesType: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:Screen Diameter: 2 inchesType: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:Total Depth of Well: 45.00 feetFrom: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:Depth to Static Water: 32.47 feetFrom: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:Depth to Product: - feetFrom: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:Length of Water Column: 12.53 feetWell Volume: 2.09 gal

Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 03/13/19 Time: 1050

Equipment Model(s)

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:Materials: ☒ Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ DisposableMaterials: ☒ Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ DisposableVolume to Purge (minimum): 3 well volumes or 6.28 gallonsWas well purged dry? ☐ Yes ☒ No Pumping Rate: 0.15 gal/minCalibrated? ☒ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1100	2	5.25	16.25	0.061	383	5.98	15.6	32.87	
1110	3.75	5.43	16.35	0.055	387	6.07	3.6	33.90	
1115	4.28	5.55	16.35	0.054	390	6.05	2.7	33.91	
1120	4.75	5.49	16.40	0.054	388	6.00	2.9	33.92	
1135	5.0	6.79	16.57	0.198	205	4.02	400	33.90	WLM reading differently after lowering further into c

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:Materials: ☒ Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ DisposableMaterials: ☒ Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ DisposableDepth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☒ NoSample ID: 19072-MW-20 Sample Date: 3/13/19 Sample Time: 1205 # of Containers: 2Duplicate Sample Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____Equipment Blank Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Pump at 36' for purging, had to lower 5' at 1125

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-20

3. PURGE DATA (continued from page _____)

[illegible]Purge data continued on next sheet? ☐

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: OW-74A

1. PROJECT INFORMATION

Project Number: 145686 Task Number: 004Area of Concern: Right of WayClient: Hillshire BrandsPersonnel: A. HortonProject Location: Smyrna, GeorgiaWeather: 61°F Sunny

2. WELL DATA

Date Measured: 3/13/19 Time: 1235Temporary Well: ☐ Yes ☒ NoCasing Diameter: 2 inchesType: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:Screen Diameter: 2 inchesType: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:Total Depth of Well: 84.00 feetFrom: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:Depth to Static Water: 15.95 feetFrom: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:Depth to Product: — feetFrom: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:Length of Water Column: 68.05 feetWell Volume: 10.86 gal

Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 3/13/19 Time: 1235

Equipment Model(s)

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:1. Monsoon PumpMaterials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable2. Heran WLMMaterials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable3. HorbeVolume to Purge (minimum): 3 well volumes or 25.08 gallons4. —Was well purged dry? ☐ Yes ☒ No Pumping Rate: 0.42 gal/minCalibrated? ☒ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1245	3.5	5.60	17.34	0.114	335	1.92	6.4	17.70	
1255	6.5	5.55	17.19	0.244	298	0.34	6.4	17.85	
1300	8	5.60	17.22	0.245	287	0.32	6.4	17.83	
1305	9.5	5.58	17.22	0.246	282	0.30	0.5	17.84	
1310	12	5.66	17.28	0.247	273	0.28	0.4	17.80	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ DisposableMaterials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other:
☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ DisposableDepth to Water at Time of Sampling: — Field Filtered? ☐ Yes ☐ NoSample ID: 145686-OW-74A Sample Date: 3/13/19 Sample Time: — # of Containers: 2Duplicate Sample Collected? ☒ Yes ☐ No ID: MU-32 # of Containers: 2Equipment Blank Collected? ☐ Yes ☒ No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: — mg/LDO: — mg/LNitrate: — mg/LSulfate: — mg/LAlkalinity: — mg/L

5. COMMENTS

Bottom of well logged at ≈ 66' bgs. Sediment?
Pump intake at 25.5'

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: OW-74A

3. PURGE DATA (continued from page)

[illegible]Purge data continued on next sheet? ☐

Attachment B: Laboratory Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 21, 2019

Alex Horton
BROWN AND CALDWELL

990 Hammond Drive
Atlanta GA 30328

RE: Hillshire Brands

Dear Alex Horton:

Order No: 1903F25

Analytical Environmental Services, Inc. received 7 samples on 3/14/2019 6:06:00 PM
for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/18-06/30/19.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/18-06/30/19 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.

These results relate only to the items tested as received. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar
Project Manager

CHAIN OF CUSTODY

Work Order: 1903F25

Date: 3/14/19 Page 1 of 1

COMPANY: Brown + Caldwell		ADDRESS: 990 Hammond Dr. Atlanta, GA 30328		ANALYSIS REQUESTED						Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.					
PHONE: 334-652-9510		EMAIL: ahorton@browncald.com													
SAMPLED BY: Alex Horton		SIGNATURE: 													
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)							REMARKS	Number of Containers	
		DATE	TIME				PRESERVATION (see codes)								
1	19072-MW-20	3/13/19	1205	X		GW	X								2
2	19072-OW-74a	3/13/19	1340	X		GW	X								2
3	MW-32	3/13/19	1200	X		GW	X								2
4	19073-MW-9a	3/14/19	1315	X		GW	X								2
5	19073-MW-9b	3/14/19	1225	X		GW	X								2
6	19072-EB	3/13/19	0935	X		GW	X								2
7	Trip blank	3/14/19	-				X								2
8															
9															
10															
11															
12															
13															
14															
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION						RECEIPT	
1. Alex Horton		3/14/19 / 6:00P		1. Maris Bejdic		3/14/19 / 18:00P		PROJECT NAME: Hillshire Brands						Total # of Containers	14
2.				2.				PROJECT #: 153366						Turnaround Time (TAT) Request	
3.				3.				SITE ADDRESS: Smyrna, GA						☒ Standard	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD		OUT: / / VIA: IN: client FedEx UPS US mail courier other: _____		SEND REPORT TO: ahorton@browncald.com						☐ 2 Business Day Rush	
								INVOICE TO (IF DIFFERENT FROM ABOVE):						☐ Next Business Day Rush	
								QUOTE #: _____ PO#: _____						☐ Same-Day Rush (auth req.) ☐ Other _____	
								STATE PROGRAM (if any): _____						E-mail? ☒ Fax? ☐	
								DATA PACKAGE: I ☐ II ☒ III ☐ IV ☐							

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST=Stormwater WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

7.11.18 CO

Client: BROWN AND CALDWELL
Project: Hillshire Brands
Lab ID: 1903F25

Case Narrative

Sample Receiving Non-conformance:

Sample information on the Chain of Custody did not match that of the container labels for samples 19073-MW-9A, 19073-MW-9B, and 19072-EB. Sample 19073-MW-9A was listed as collected on 13:15 on the label, where as on the Chain of Custody it was listed as collected at 13:20. Sample 19073-MW-9B was listed with ID 19072-MW-9B on the label. Lastly, sample 19072-EB was listed as collected on 3/14/19 on the label, whereas on the Chain of Custody it was listed as collected on 3/13/19. All samples were logged in according to the information on the Chain of Custody.

Volatiles Organic Compounds Analysis by Method 8260D:

Trichloroethene value for the QC samples 1903A06-001AMS/MSD is "E" qualified indicating estimated value over linear calibration range due to the level of target analyte present in the unspiked sample.

Analytical Environmental Services, Inc
Date: 21-Mar-19

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Lab ID: 1903F25-001

Client Sample ID: 19072-MW-20
Collection Date: 3/13/2019 12:05:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,1,2-Trichloroethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,1-Dichloroethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,1-Dichloroethene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,2-Dibromoethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,2-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,2-Dichloroethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,2-Dichloropropane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,3-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
1,4-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
2-Butanone	BRL	50		ug/L	275937	1	03/15/2019 22:24	BK
2-Hexanone	BRL	10		ug/L	275937	1	03/15/2019 22:24	BK
4-Methyl-2-pentanone	BRL	10		ug/L	275937	1	03/15/2019 22:24	BK
Acetone	BRL	50		ug/L	275937	1	03/15/2019 22:24	BK
Benzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Bromodichloromethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Bromoform	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Bromomethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Carbon disulfide	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Carbon tetrachloride	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Chlorobenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Chloroethane	BRL	10		ug/L	275937	1	03/15/2019 22:24	BK
Chloroform	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Chloromethane	BRL	10		ug/L	275937	1	03/15/2019 22:24	BK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Cyclohexane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Dibromochloromethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Dichlorodifluoromethane	BRL	10		ug/L	275937	1	03/15/2019 22:24	BK
Ethylbenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Freon-113	BRL	10		ug/L	275937	1	03/15/2019 22:24	BK
Isopropylbenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
m,p-Xylene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Methyl acetate	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Methyl tert-butyl ether	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Methylcyclohexane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Methylene chloride	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
o-Xylene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-Mar-19

Client: BROWN AND CALDWELL
 Project Name: Hillshire Brands
 Lab ID: 1903F25-001

Client Sample ID: 19072-MW-20
 Collection Date: 3/13/2019 12:05:00 PM
 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
Styrene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Tetrachloroethene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Toluene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Trichloroethene	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Trichlorofluoromethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:24	BK
Vinyl chloride	BRL	2.0		ug/L	275937	1	03/15/2019 22:24	BK
Surr: 4-Bromofluorobenzene	99.4	64-125		%REC	275937	1	03/15/2019 22:24	BK
Surr: Dibromofluoromethane	102	76.4-125		%REC	275937	1	03/15/2019 22:24	BK
Surr: Toluene-d8	99.9	78.3-116		%REC	275937	1	03/15/2019 22:24	BK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-Mar-19

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Lab ID: 1903F25-002

Client Sample ID: 19072-OW-74A
Collection Date: 3/13/2019 1:40:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,1,2-Trichloroethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,1-Dichloroethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,1-Dichloroethene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,2-Dibromoethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,2-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,2-Dichloroethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,2-Dichloropropane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,3-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
1,4-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
2-Butanone	BRL	50		ug/L	275937	1	03/15/2019 22:49	BK
2-Hexanone	BRL	10		ug/L	275937	1	03/15/2019 22:49	BK
4-Methyl-2-pentanone	BRL	10		ug/L	275937	1	03/15/2019 22:49	BK
Acetone	BRL	50		ug/L	275937	1	03/15/2019 22:49	BK
Benzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Bromodichloromethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Bromoform	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Bromomethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Carbon disulfide	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Carbon tetrachloride	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Chlorobenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Chloroethane	BRL	10		ug/L	275937	1	03/15/2019 22:49	BK
Chloroform	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Chloromethane	BRL	10		ug/L	275937	1	03/15/2019 22:49	BK
cis-1,2-Dichloroethene	130	5.0		ug/L	275937	1	03/15/2019 22:49	BK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Cyclohexane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Dibromochloromethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Dichlorodifluoromethane	BRL	10		ug/L	275937	1	03/15/2019 22:49	BK
Ethylbenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Freon-113	BRL	10		ug/L	275937	1	03/15/2019 22:49	BK
Isopropylbenzene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
m,p-Xylene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Methyl acetate	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Methyl tert-butyl ether	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Methylcyclohexane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Methylene chloride	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
o-Xylene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-Mar-19

Client: BROWN AND CALDWELL
 Project Name: Hillshire Brands
 Lab ID: 1903F25-002

Client Sample ID: 19072-OW-74A
 Collection Date: 3/13/2019 1:40:00 PM
 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
Styrene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Tetrachloroethene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Toluene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Trichloroethene	8.5	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Trichlorofluoromethane	BRL	5.0		ug/L	275937	1	03/15/2019 22:49	BK
Vinyl chloride	BRL	2.0		ug/L	275937	1	03/15/2019 22:49	BK
Surr: 4-Bromofluorobenzene	99.7	64-125		%REC	275937	1	03/15/2019 22:49	BK
Surr: Dibromofluoromethane	105	76.4-125		%REC	275937	1	03/15/2019 22:49	BK
Surr: Toluene-d8	98.8	78.3-116		%REC	275937	1	03/15/2019 22:49	BK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-Mar-19

Client: BROWN AND CALDWELL
 Project Name: Hillshire Brands
 Lab ID: 1903F25-003

Client Sample ID: MW-32
 Collection Date: 3/13/2019 12:00:00 PM
 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,1,2-Trichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,1-Dichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,1-Dichloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,2-Dibromoethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,2-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,2-Dichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,2-Dichloropropane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,3-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
1,4-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
2-Butanone	BRL	50		ug/L	275937	1	03/16/2019 01:20	BK
2-Hexanone	BRL	10		ug/L	275937	1	03/16/2019 01:20	BK
4-Methyl-2-pentanone	BRL	10		ug/L	275937	1	03/16/2019 01:20	BK
Acetone	BRL	50		ug/L	275937	1	03/16/2019 01:20	BK
Benzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Bromodichloromethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Bromoform	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Bromomethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Carbon disulfide	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Carbon tetrachloride	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Chlorobenzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Chloroethane	BRL	10		ug/L	275937	1	03/16/2019 01:20	BK
Chloroform	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Chloromethane	BRL	10		ug/L	275937	1	03/16/2019 01:20	BK
cis-1,2-Dichloroethene	120	5.0		ug/L	275937	1	03/16/2019 01:20	BK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Cyclohexane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Dibromochloromethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Dichlorodifluoromethane	BRL	10		ug/L	275937	1	03/16/2019 01:20	BK
Ethylbenzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Freon-113	BRL	10		ug/L	275937	1	03/16/2019 01:20	BK
Isopropylbenzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
m,p-Xylene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Methyl acetate	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Methyl tert-butyl ether	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Methylcyclohexane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Methylene chloride	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
o-Xylene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-Mar-19

Client: BROWN AND CALDWELL
 Project Name: Hillshire Brands
 Lab ID: 1903F25-003

Client Sample ID: MW-32
 Collection Date: 3/13/2019 12:00:00 PM
 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
Styrene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Tetrachloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Toluene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Trichloroethene	7.9	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Trichlorofluoromethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:20	BK
Vinyl chloride	BRL	2.0		ug/L	275937	1	03/16/2019 01:20	BK
Surr: 4-Bromofluorobenzene	101	64-125		%REC	275937	1	03/16/2019 01:20	BK
Surr: Dibromofluoromethane	102	76.4-125		%REC	275937	1	03/16/2019 01:20	BK
Surr: Toluene-d8	99.2	78.3-116		%REC	275937	1	03/16/2019 01:20	BK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-Mar-19

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Lab ID: 1903F25-004

Client Sample ID: 19073-MW-9A
Collection Date: 3/14/2019 1:15:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,1,2-Trichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,1-Dichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,1-Dichloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,2-Dibromoethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,2-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,2-Dichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,2-Dichloropropane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,3-Dichlorobenzene	18	5.0		ug/L	275937	1	03/16/2019 01:45	BK
1,4-Dichlorobenzene	23	5.0		ug/L	275937	1	03/16/2019 01:45	BK
2-Butanone	BRL	50		ug/L	275937	1	03/16/2019 01:45	BK
2-Hexanone	BRL	10		ug/L	275937	1	03/16/2019 01:45	BK
4-Methyl-2-pentanone	BRL	10		ug/L	275937	1	03/16/2019 01:45	BK
Acetone	BRL	50		ug/L	275937	1	03/16/2019 01:45	BK
Benzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Bromodichloromethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Bromoform	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Bromomethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Carbon disulfide	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Carbon tetrachloride	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Chlorobenzene	160	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Chloroethane	BRL	10		ug/L	275937	1	03/16/2019 01:45	BK
Chloroform	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Chloromethane	BRL	10		ug/L	275937	1	03/16/2019 01:45	BK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Cyclohexane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Dibromochloromethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Dichlorodifluoromethane	BRL	10		ug/L	275937	1	03/16/2019 01:45	BK
Ethylbenzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Freon-113	BRL	10		ug/L	275937	1	03/16/2019 01:45	BK
Isopropylbenzene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
m,p-Xylene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Methyl acetate	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Methyl tert-butyl ether	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Methylcyclohexane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Methylene chloride	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
o-Xylene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 21-Mar-19

Client:	BROWN AND CALDWELL	Client Sample ID:	19073-MW-9A
Project Name:	Hillshire Brands	Collection Date:	3/14/2019 1:15:00 PM
Lab ID:	1903F25-004	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
Styrene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Tetrachloroethene	5.0	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Toluene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Trichloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Trichlorofluoromethane	BRL	5.0		ug/L	275937	1	03/16/2019 01:45	BK
Vinyl chloride	BRL	2.0		ug/L	275937	1	03/16/2019 01:45	BK
Surr: 4-Bromofluorobenzene	99.8	64-125		%REC	275937	1	03/16/2019 01:45	BK
Surr: Dibromofluoromethane	103	76.4-125		%REC	275937	1	03/16/2019 01:45	BK
Surr: Toluene-d8	99.7	78.3-116		%REC	275937	1	03/16/2019 01:45	BK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 21-Mar-19

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Lab ID: 1903F25-005

Client Sample ID: 19073-MW-9B
Collection Date: 3/14/2019 12:25:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,1,2-Trichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,1-Dichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,1-Dichloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,2-Dibromoethane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,2-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,2-Dichloroethane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,2-Dichloropropane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,3-Dichlorobenzene	15	5.0		ug/L	275937	1	03/16/2019 02:10	BK
1,4-Dichlorobenzene	21	5.0		ug/L	275937	1	03/16/2019 02:10	BK
2-Butanone	BRL	50		ug/L	275937	1	03/16/2019 02:10	BK
2-Hexanone	BRL	10		ug/L	275937	1	03/16/2019 02:10	BK
4-Methyl-2-pentanone	BRL	10		ug/L	275937	1	03/16/2019 02:10	BK
Acetone	BRL	50		ug/L	275937	1	03/16/2019 02:10	BK
Benzene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Bromodichloromethane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Bromoform	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Bromomethane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Carbon disulfide	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Carbon tetrachloride	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Chlorobenzene	140	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Chloroethane	BRL	10		ug/L	275937	1	03/16/2019 02:10	BK
Chloroform	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Chloromethane	BRL	10		ug/L	275937	1	03/16/2019 02:10	BK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Cyclohexane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Dibromochloromethane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Dichlorodifluoromethane	BRL	10		ug/L	275937	1	03/16/2019 02:10	BK
Ethylbenzene	39	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Freon-113	BRL	10		ug/L	275937	1	03/16/2019 02:10	BK
Isopropylbenzene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
m,p-Xylene	100	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Methyl acetate	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Methyl tert-butyl ether	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Methylcyclohexane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Methylene chloride	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
o-Xylene	45	5.0		ug/L	275937	1	03/16/2019 02:10	BK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-Mar-19

Client: BROWN AND CALDWELL
 Project Name: Hillshire Brands
 Lab ID: 1903F25-005

Client Sample ID: 19073-MW-9B
 Collection Date: 3/14/2019 12:25:00 PM
 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
Styrene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Tetrachloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Toluene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Trichloroethene	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Trichlorofluoromethane	BRL	5.0		ug/L	275937	1	03/16/2019 02:10	BK
Vinyl chloride	BRL	2.0		ug/L	275937	1	03/16/2019 02:10	BK
Surr: 4-Bromofluorobenzene	102	64-125		%REC	275937	1	03/16/2019 02:10	BK
Surr: Dibromofluoromethane	104	76.4-125		%REC	275937	1	03/16/2019 02:10	BK
Surr: Toluene-d8	100	78.3-116		%REC	275937	1	03/16/2019 02:10	BK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-Mar-19

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Lab ID: 1903F25-006

Client Sample ID: 19072-EB
Collection Date: 3/13/2019 9:35:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,1,2-Trichloroethane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,1-Dichloroethane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,1-Dichloroethene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,2-Dibromoethane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,2-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,2-Dichloroethane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,2-Dichloropropane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,3-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
1,4-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
2-Butanone	140	50		ug/L	275937	1	03/18/2019 14:21	BK
2-Hexanone	BRL	10		ug/L	275937	1	03/18/2019 14:21	BK
4-Methyl-2-pentanone	BRL	10		ug/L	275937	1	03/18/2019 14:21	BK
Acetone	59	50		ug/L	275937	1	03/18/2019 14:21	BK
Benzene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Bromodichloromethane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Bromoform	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Bromomethane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Carbon disulfide	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Carbon tetrachloride	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Chlorobenzene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Chloroethane	BRL	10		ug/L	275937	1	03/18/2019 14:21	BK
Chloroform	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Chloromethane	BRL	10		ug/L	275937	1	03/18/2019 14:21	BK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Cyclohexane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Dibromochloromethane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Dichlorodifluoromethane	BRL	10		ug/L	275937	1	03/18/2019 14:21	BK
Ethylbenzene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Freon-113	BRL	10		ug/L	275937	1	03/18/2019 14:21	BK
Isopropylbenzene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
m,p-Xylene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Methyl acetate	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Methyl tert-butyl ether	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Methylcyclohexane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Methylene chloride	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
o-Xylene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-Mar-19

Client: BROWN AND CALDWELL
 Project Name: Hillshire Brands
 Lab ID: 1903F25-006

Client Sample ID: 19072-EB
 Collection Date: 3/13/2019 9:35:00 AM
 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
Styrene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Tetrachloroethene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Toluene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Trichloroethene	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Trichlorofluoromethane	BRL	5.0		ug/L	275937	1	03/18/2019 14:21	BK
Vinyl chloride	BRL	2.0		ug/L	275937	1	03/18/2019 14:21	BK
Surr: 4-Bromofluorobenzene	99.8	64-125		%REC	275937	1	03/18/2019 14:21	BK
Surr: Dibromofluoromethane	110	76.4-125		%REC	275937	1	03/18/2019 14:21	BK
Surr: Toluene-d8	103	78.3-116		%REC	275937	1	03/18/2019 14:21	BK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 21-Mar-19

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Lab ID: 1903F25-007

Client Sample ID: TRIP BLANK
Collection Date: 3/14/2019
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,1,2-Trichloroethane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,1-Dichloroethane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,1-Dichloroethene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,2-Dibromoethane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,2-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,2-Dichloroethane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,2-Dichloropropane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,3-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
1,4-Dichlorobenzene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
2-Butanone	BRL	50		ug/L	275937	1	03/18/2019 11:22	BK
2-Hexanone	BRL	10		ug/L	275937	1	03/18/2019 11:22	BK
4-Methyl-2-pentanone	BRL	10		ug/L	275937	1	03/18/2019 11:22	BK
Acetone	BRL	50		ug/L	275937	1	03/18/2019 11:22	BK
Benzene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Bromodichloromethane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Bromoform	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Bromomethane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Carbon disulfide	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Carbon tetrachloride	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Chlorobenzene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Chloroethane	BRL	10		ug/L	275937	1	03/18/2019 11:22	BK
Chloroform	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Chloromethane	BRL	10		ug/L	275937	1	03/18/2019 11:22	BK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Cyclohexane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Dibromochloromethane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Dichlorodifluoromethane	BRL	10		ug/L	275937	1	03/18/2019 11:22	BK
Ethylbenzene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Freon-113	BRL	10		ug/L	275937	1	03/18/2019 11:22	BK
Isopropylbenzene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
m,p-Xylene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Methyl acetate	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Methyl tert-butyl ether	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Methylcyclohexane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Methylene chloride	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
o-Xylene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-Mar-19

Client: BROWN AND CALDWELL
 Project Name: Hillshire Brands
 Lab ID: 1903F25-007

Client Sample ID: TRIP BLANK
 Collection Date: 3/14/2019
 Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D				(SW5030B)				
Styrene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Tetrachloroethene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Toluene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Trichloroethene	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Trichlorofluoromethane	BRL	5.0		ug/L	275937	1	03/18/2019 11:22	BK
Vinyl chloride	BRL	2.0		ug/L	275937	1	03/18/2019 11:22	BK
Surr: 4-Bromofluorobenzene	97.9	64-125		%REC	275937	1	03/18/2019 11:22	BK
Surr: Dibromofluoromethane	110	76.4-125		%REC	275937	1	03/18/2019 11:22	BK
Surr: Toluene-d8	102	78.3-116		%REC	275937	1	03/18/2019 11:22	BK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: 19072-OW-74A Lab ID: 1903F25-002 Collection Date: 3/13/2019 1:40:00 PM Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260D				(SW5030B)			
cis-1,2-Dichloroethene	130		0.28	5.0	ug/L	275937	1
Trichloroethene	8.5		0.30	5.0	ug/L	275937	1
Client Sample ID: MW-32 Lab ID: 1903F25-003 Collection Date: 3/13/2019 12:00:00 PM Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260D				(SW5030B)			
cis-1,2-Dichloroethene	120		0.28	5.0	ug/L	275937	1
Trichloroethene	7.9		0.30	5.0	ug/L	275937	1
Client Sample ID: 19073-MW-9A Lab ID: 1903F25-004 Collection Date: 3/14/2019 1:15:00 PM Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260D				(SW5030B)			
1,3-Dichlorobenzene	18		0.31	5.0	ug/L	275937	1
1,4-Dichlorobenzene	23		0.33	5.0	ug/L	275937	1
Chlorobenzene	160		0.42	5.0	ug/L	275937	1
Tetrachloroethene	5.0		0.46	5.0	ug/L	275937	1
Client Sample ID: 19073-MW-9B Lab ID: 1903F25-005 Collection Date: 3/14/2019 12:25:00 PM Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260D				(SW5030B)			
1,3-Dichlorobenzene	15		0.31	5.0	ug/L	275937	1
1,4-Dichlorobenzene	21		0.33	5.0	ug/L	275937	1
Chlorobenzene	140		0.42	5.0	ug/L	275937	1
Ethylbenzene	39		0.26	5.0	ug/L	275937	1
m,p-Xylene	100		0.60	5.0	ug/L	275937	1
o-Xylene	45		0.18	5.0	ug/L	275937	1
Client Sample ID: 19072-EB Lab ID: 1903F25-006 Collection Date: 3/13/2019 9:35:00 AM Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260D				(SW5030B)			
2-Butanone	140		2.5	50	ug/L	275937	1
Acetone	59		3.6	50	ug/L	275937	1

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: _____

AES Work Order Number: _____

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ☐ Courier ☐ Other _____

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?				damaged ☐ leaking ☐ other ☐	
4. Custody seals present on shipping container?					
5. Custody seals intact on shipping container?					
6. Temperature blanks present?					
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]				Cooling initiated for recently collected samples / ice present ☐	
8. Chain of Custody (COC) present?					
9. Chain of Custody signed, dated, and timed when relinquished and received?					
10. Sampler name and/or signature on COC?					
11. Were all samples received within holding time?					
12. TAT marked on the COC?				If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature _____ °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). _____

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?					
17. Custody seals present on sample containers?					
18. Custody seals intact on sample containers?					
19. Do sample container labels match the COC?				incomplete info ☐ illegible ☐ no label ☐ other ☐	
20. Are analyses requested indicated on the COC?					
21. Were all of the samples listed on the COC received?				samples received but not listed on COC ☐ samples listed on COC not received ☐	
22. Was the sample collection date/time noted?					
23. Did we receive sufficient sample volume for indicated analyses?					
24. Were samples received in appropriate containers?					
25. Were VOA samples received without headspace (< 1/4" bubble)?					
26. Were trip blanks submitted?				listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). _____

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *					
29. Containers meet preservation guidelines?					
30. Was pH adjusted at Sample Receipt?					

I certify that I have completed sections 28-30 (dated initials). _____

Client: BROWN AND CALDWELL
 Project Name: Hillshire Brands
 Workorder: 1903F25

ANALYTICAL QC SUMMARY REPORT

BatchID: 275937

Sample ID: MB-275937	Client ID:					Units: ug/L	Prep Date: 03/14/2019	Run No: 393184			
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260D					BatchID: 275937	Analysis Date: 03/14/2019	Seq No: 8803267			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	BRL	5.0
1,1,2,2-Tetrachloroethane	BRL	5.0
1,1,2-Trichloroethane	BRL	5.0
1,1-Dichloroethane	BRL	5.0
1,1-Dichloroethene	BRL	5.0
1,2,4-Trichlorobenzene	BRL	5.0
1,2-Dibromo-3-chloropropane	BRL	5.0
1,2-Dibromoethane	BRL	5.0
1,2-Dichlorobenzene	BRL	5.0
1,2-Dichloroethane	BRL	5.0
1,2-Dichloropropane	BRL	5.0
1,3-Dichlorobenzene	BRL	5.0
1,4-Dichlorobenzene	BRL	5.0
2-Butanone	BRL	50
2-Hexanone	BRL	10
4-Methyl-2-pentanone	BRL	10
Acetone	BRL	50
Benzene	BRL	5.0
Bromodichloromethane	BRL	5.0
Bromoform	BRL	5.0
Bromomethane	BRL	5.0
Carbon disulfide	BRL	5.0
Carbon tetrachloride	BRL	5.0
Chlorobenzene	BRL	5.0
Chloroethane	BRL	10
Chloroform	BRL	5.0
Chloromethane	BRL	10

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
 Project Name: Hillshire Brands
 Workorder: 1903F25

ANALYTICAL QC SUMMARY REPORT

BatchID: 275937

Sample ID: MB-275937	Client ID:					Units: ug/L	Prep Date: 03/14/2019		Run No: 393184		
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260D					BatchID: 275937	Analysis Date: 03/14/2019		Seq No: 8803267		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	50.05	0	50.00		100	64	125				
Surr: Dibromofluoromethane	54.05	0	50.00		108	76.4	125				
Surr: Toluene-d8	50.13	0	50.00		100	78.3	116				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1903F25

ANALYTICAL QC SUMMARY REPORT**BatchID: 275937**

Sample ID: LCS-275937	Client ID:					Units: ug/L	Prep Date: 03/14/2019	Run No: 393184			
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260D					BatchID: 275937	Analysis Date: 03/14/2019	Seq No: 8803265			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	22.24	5.0	20.00		111	69	136				
Benzene	20.43	5.0	20.00		102	73.7	126				
Chlorobenzene	20.08	5.0	20.00		100	73.5	124				
Toluene	20.81	5.0	20.00		104	76.8	125				
Trichloroethene	21.65	5.0	20.00		108	70.9	124				
Surr: 4-Bromofluorobenzene	50.62	0	50.00		101	64	125				
Surr: Dibromofluoromethane	53.50	0	50.00		107	76.4	125				
Surr: Toluene-d8	51.22	0	50.00		102	78.3	116				

Sample ID: 1903A06-001AMS	Client ID:				Units: ug/L	Prep Date: 03/14/2019	Run No: 393276				
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260D				BatchID: 275937	Analysis Date: 03/15/2019	Seq No: 8803469				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	748.4	50	500.0	104.2	129	63.8	146				
Benzene	578.4	50	500.0		116	70.2	137				
Chlorobenzene	555.3	50	500.0		111	72.7	141				
Toluene	587.1	50	500.0	7.100	116	67	141				
Trichloroethene	2996	50	500.0	2317	136	69.3	141				E
Surr: 4-Bromofluorobenzene	519.9	0	500.0		104	64	125				
Surr: Dibromofluoromethane	557.7	0	500.0		112	76.4	125				
Surr: Toluene-d8	534.6	0	500.0		107	78.3	116				

Sample ID: 1903A06-001AMSD	Client ID:				Units: ug/L	Prep Date: 03/14/2019	Run No: 393276				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260D				BatchID: 275937	Analysis Date: 03/15/2019	Seq No: 8803470				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	700.6	50	500.0	104.2	119	63.8	146	748.4	6.60	20.8	
Benzene	554.2	50	500.0		111	70.2	137	578.4	4.27	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: BROWN AND CALDWELL
Project Name: Hillshire Brands
Workorder: 1903F25

ANALYTICAL QC SUMMARY REPORT

BatchID: 275937

Sample ID: 1903A06-001AMSD	Client ID:					Units: ug/L	Prep Date: 03/14/2019	Run No: 393276			
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260D					BatchID: 275937	Analysis Date: 03/15/2019	Seq No: 8803470			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	537.2	50	500.0		107	72.7	141	555.3	3.31	20	
Toluene	571.0	50	500.0	7.100	113	67	141	587.1	2.78	20	
Trichloroethene	2825	50	500.0	2317	102	69.3	141	2996	5.90	17.9	E
Surr: 4-Bromofluorobenzene	522.1	0	500.0		104	64	125	519.9	0	0	
Surr: Dibromofluoromethane	543.5	0	500.0		109	76.4	125	557.7	0	0	
Surr: Toluene-d8	515.9	0	500.0		103	78.3	116	534.6	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Attachment C: Annual Property Evaluation Form

Exhibit B
Annual Property Evaluation Form

Former Olympic Mfg.-Diversey Site, HSI Site No. 10435

TYPE	No.	CRITERIA RESPONSE	YES	NO
Land Use	1	Does this former HSRA site meet the definition of non-residential property as defined in HSRA Rule 391-3-19.02(2)? "Non-residential property means any property or portion of a property not currently being used for human habitation or for other purposes with a similar potential for human exposure, at which activities have been or are being conducted that can be categorized in one of the 1987 Standard Industrial Classification major group..."	X	
	1a	If no to 1, provide a written explanation to the EPD within 30 days.		
Groundwater Use On-site	2	Are wells for drinking water or for any other non-remedial purposes installed or in use on the property?		X
	2a	If yes to 2, provide a written explanation to the EPD within 30 days.		
Off-Site Groundwater Wells	3	Have potable wells have been installed on impacted neighboring and downgradient properties that have an Environmental Covenant in effect, or whose owners have otherwise agreed not to install potable wells?		X
	3a	If yes to 3, provide a written explanation to the EPD within 30 days.		
Property Instruments	4	Do all leases or other property instruments for the site have the applicable deed notice language inserted into them.	X	
	4a	If no to 4, provide a written explanation (attached) to the EPD within 30 days.		
Inspection	5	Date of inspection:	3/14/19	
	5a	Name of inspector:	Alex	Horton
	5b	Photographs showing current land use (attached)		

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Alex Horton

NAME (Please type or print)


SIGNATURE

Environmental Scientist
TITLE

3/14/19
DATE