



June 17, 2019

Mr. Michael Schmoller  
DNR Service Center  
3911 Fish Hatchery Road  
Fitchburg, Wisconsin 53711

Reference: 0441161

Subject: 910 Mayer LLC, Madison, Wisconsin - Site Investigation Data  
Former Filling Stations - BRRTS Activity # 02-13-580722  
Former Spice Room - BRRTS Activity # 02-13-580723  
Former Ethylene Dichloride Tank - BRRTS Activity # 02-13-580721

ERM completed additional site investigation activities at the 910 Mayer property located in Madison, Wisconsin. The scope of the additional site investigation was consistent with the revised Site Investigation Work Plans submitted in October 2018. The Wisconsin Department of Natural Resources (WDNR) verbally requested that the site investigation data including boring logs, analytical results, and boring locations be provided prior to preparation of the Site Investigation Report. This letter is in response to the WDNR request.

#### **1. Former Filling Stations (BRRTs#02-13-580722)**

Three former filling stations were demolished when Packers Avenue was relocated further to the east sometime in the late 1960s. ERM installed thirteen soil borings and converted them to permanent groundwater monitoring wells (FS-MW-01 through FS-MW-13). The location of the wells is shown on Figure 1. The soil boring logs and well construction forms are provided as Attachment A. Soil and groundwater samples were submitted to Pace Analytical of Green Bay, Wisconsin and laboratory analytical results are provided as Attachment B. Laboratory analytical results were compared to WDNR criteria (as specified in WAC NR140 and NR720) and summary tables for soil and groundwater are provided as Tables 1a and 2a.

#### **2. Former Ethylene Dichloride Above Ground Storage Tanks (BRRTs#02-13-580721)**

Two former ethylene dichloride above ground storage tanks (ASTs) were located in the unpaved grassed area south of Building 59. ERM installed one soil boring that included collection of vertical aquifer samples (VAS) with a push-ahead sampler (TS-VAS-001) that was converted into a permanent monitoring well (TS-MW-17C). Two additional permanent monitoring wells were located adjacent to TS-MW-17C and blind drilled (TS-MW-17A and TS-MW-17B). The locations of the wells are shown on Figure 1. The soil boring logs and well construction forms are provided as Attachment A. Soil and groundwater samples were submitted to Pace Analytical of Green Bay, Wisconsin and laboratory analytical results are provided as Attachment B. Laboratory analytical

results were compared to WDNR criteria (as specified in WAC NR140 and NR720) and summary tables for soil and groundwater are provided as Tables 1b, 2b and 2c.

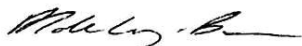
### **3. Former Spice Room in Building 43 (BRRs#02-13-580723)**

A former spice room was located in Building 43. ERM installed 11 sub-slab soil gas sampling locations (VP-2, and VP-11 through VP-20), two soil borings inside the building (SB-70 and SB-71), and four groundwater monitoring wells (SR-MW-14, SR-MW-15, SR-MW-16A and SR-MW-16B). The locations of the wells are shown on Figure 1 and the interior soil borings and sub-slab soil gas sampling locations are shown on Figure 2. The soil boring logs and well construction forms are provided as Attachment A. Soil, groundwater, and soil vapor samples were submitted to Pace Analytical of Green Bay, Wisconsin and laboratory analytical results are provided as Attachment B. Laboratory analytical results were compared to WDNR criteria (as specified in WAC NR140 and NR720) and summary tables for soil, groundwater and subslab soil vapor are provided as Tables 1c, 2d, and 3.

Prior to preparation of the Site Investigation Reports, ERM would like to schedule a meeting with the WDNR to discuss the results of these investigations and discuss the next steps for each release incident.

Please let us know if you have any questions.

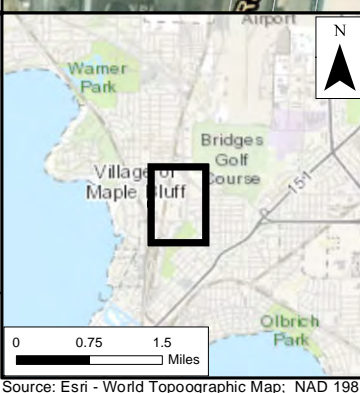
Yours sincerely



David de Courcy-Bower P.E.  
Principal Consultant

## FIGURES

DRAWN BY: SRV  
 FILE: J:\Projects\OSCAR\_MAYER\MADIS\_MXD\Figure 1-MonitoringWellNetworkMap\_20190608.mxd | REVISED: 06/11/2019 | SCALE: 1:3,600 when printed at 11x17



**Legend**

- ◆ Demetral Landfill Monitoring Well Location
- ◆ Monitoring Well Location
- Historical Site Feature
- 910 Mayer Properties (Main Site)
- Parcel Boundary

Notes:

N

0      280      560

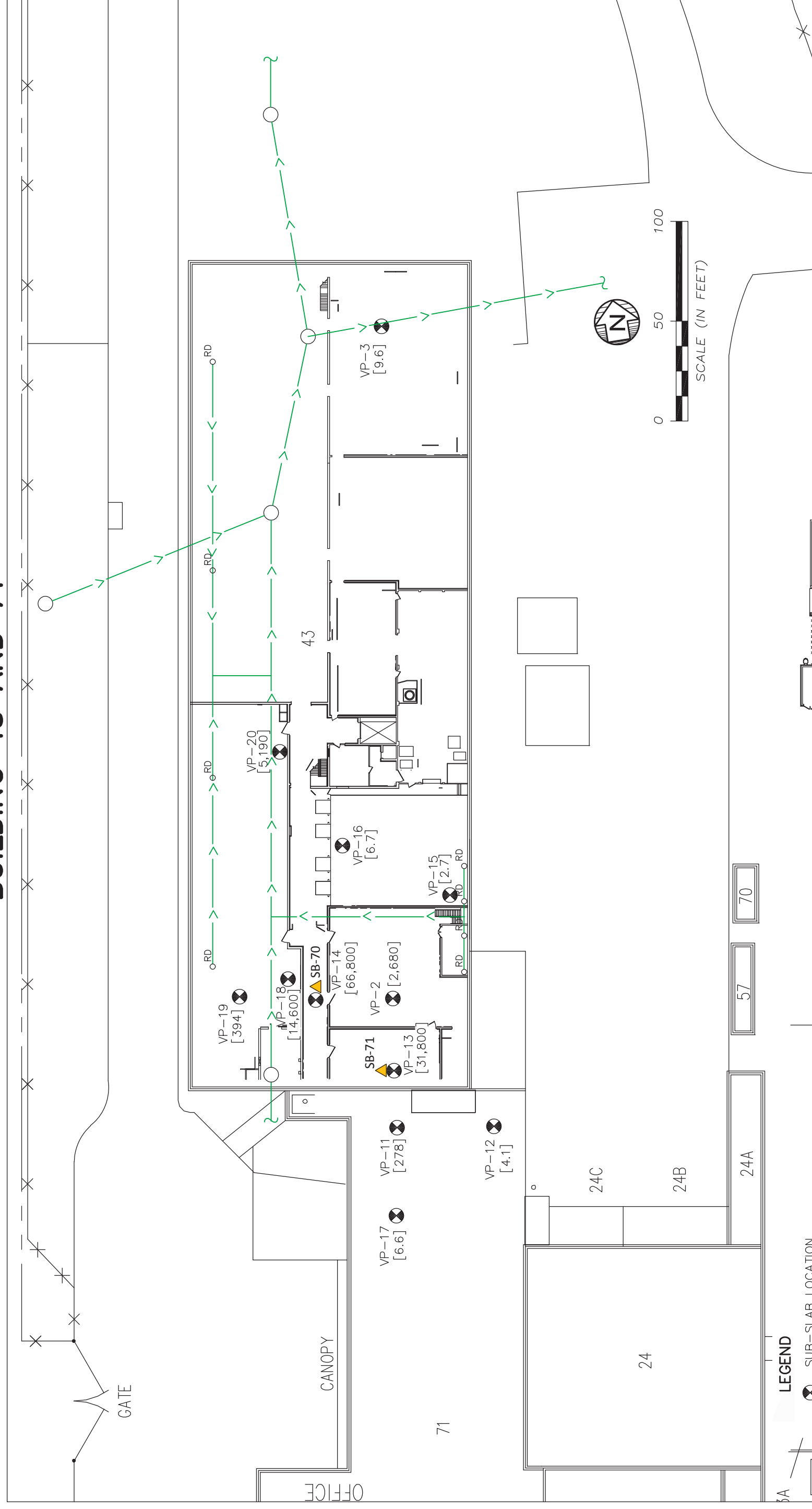
Feet

**Figure 1**  
**Monitoring Well Network Map**  
 910 Mayer LLC  
 910 Mayer Avenue  
 Madison, Wisconsin

Environmental Resources Management  
 www.erm.com

Source: Esri - World Topographic Map; NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

# TCE SUB-SLAB SAMPLE RESULTS BUILDING 43 AND 71



### LEGEND

- SUB-SLAB LOCATION
  - [927] TCE SOIL GAS RESULTS (MICROGRAMS PER CUBIC METER - ug/m<sup>3</sup>)
  - STORM SEWER
  - STORM MANHOLE
  - STORM ROOF DRAIN
  - SOIL BORING
- Note: Subslab sample results from 2/12/2019 except VP-3 (8/2/2017)**

Drawn By	GML
CADD Review	FGB
Date Drawn/Rev'd	8/14/17-3/5/19



**910 MAYER LLC**  
910 MAYER AVENUE  
MADISON, WISCONSIN

CHK'D	RP
	0441161
	FIGURE 2

## Environmental Resources Management

## TABLES



**TABLE 1a - Soil Sampling Results**

**BRRTS # 02-13-580722**  
**SITE NAME:** Former Filling Stations - 910 Mayer Facility  
**SITE ADDRESS:** 910 Mayer Avenue Madison, WI 53704

		Location ID		FS-MW-01		FS-MW-01		FS-MW-02		FS-MW-02		FS-MW-03		FS-MW-03		FS-MW-04		FS-MW-05		FS-MW-06		FS-MW-06		FS-MW-07		FS-MW-08		FS-MW-08		FS-MW-09		FS-MW-09			
		Sample Date		4/3/2019		4/3/2019		4/3/2019		4/3/2019		4/2/2019		4/2/2019		4/2/2019		4/2/2019		4/3/2019		4/3/2019		4/4/2019		4/4/2019		4/4/2019		4/2/2019		4/2/2019			
		Sample Type		N		N		N		N		N		N		N		N		N		N		N		N		N		N		N			
		Sample Depth		3.5-4.5 ft		4.5-5.5 ft		3.5-4.5 ft		4.5-5.5 ft		0.5-1.5 ft		1.5-2.5 ft		2.5-3.5 ft		2.5-3.5 ft		3.5-4.5 ft		4.5-5.5 ft		4.5-5.5 ft		3.5-4.5 ft		4.5-5.5 ft		5.5-6.5 ft		6.5-7.5 ft			
		Non-Industrial Direct Contact		Industrial Direct Contact		NR140																													
Parameter	Unit	NTE-RCL	Basis	NTE-RCL	Basis	Soil to Groundwater (DF 2)																													
<b>SVOCs</b>																																			
1-Methylnaphthalene	mg/kg	17.6	ca	72.7	ca	NS	< 0.0171	< 0.0171	< 0.0171	< 0.0195	< 0.0162	< 0.0278	< 0.0162	< 0.0147	< 0.0168	< 0.0163	0.0181	0.0153 J	< 0.0179	< 0.0173	< 0.0166														
2-Methylnaphthalene	mg/kg	239	nc	3010	nc	NS	< 0.0213	< 0.0213	< 0.0213	< 0.0243	< 0.0202	< 0.0346	< 0.0202	< 0.0183	< 0.0210	< 0.0204	0.0155 J	0.0124 J	< 0.0223	< 0.0215	< 0.0207														
Acenaphthene	mg/kg	3590	nc	45200	nc	NS	< 0.0165	< 0.0164	< 0.0164	< 0.0188	< 0.0156	< 0.0267	< 0.0156	< 0.0141	< 0.0162	< 0.0157	0.0098 J	0.0274	< 0.0172	< 0.0166	< 0.0160														
Acenaphthylene	mg/kg	NS	NS	NS	NS	NS	< 0.0140	< 0.0140	< 0.0140	< 0.0160	< 0.0133	< 0.0228	< 0.0133	< 0.0121	< 0.0138	< 0.0134	0.0058 J	0.0470	< 0.0147	< 0.0142	< 0.0136														
Anthracene	mg/kg	17900	nc	100000	ceiling	196.95	< 0.0243	< 0.0242	< 0.0242	< 0.0276	< 0.0230	< 0.0394	< 0.0230	< 0.0208	< 0.0238	< 0.0232	0.0405	0.134	< 0.0254	< 0.0245	< 0.0235														
Benzo(a)anthracene	mg/kg	1.14	ca	20.8	ca	NS	0.0042 J	< 0.0135	< 0.0135	< 0.0154	0.0066 J	< 0.0220	< 0.0128	< 0.0116	< 0.0133	< 0.0129	0.0669	0.336	< 0.0142	< 0.0137	< 0.0131														
Benzo(a)pyrene	mg/kg	0.115	ca	2.11	ca	<u>0.47000</u>	< 0.0107	< 0.0107	< 0.0107	< 0.0122	0.0045 J	< 0.0174	< 0.0101	< 0.0092	< 0.0105	< 0.0102	0.0734	0.419	< 0.0112	< 0.0108	< 0.0104														
Benzo(b)fluoranthene	mg/kg	1.15	ca	21.1	ca	<u>0.47809</u>	0.0050 J	< 0.0120	< 0.0120	< 0.0137	0.0074 J	< 0.0195	< 0.0114	< 0.0103	< 0.0118	< 0.0115	0.0865	<u>0.512</u>	< 0.0126	< 0.0121	< 0.0117														
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	NS	0.0033 J	< 0.0086	< 0.0086	< 0.0098	0.0038 J	< 0.0140	< 0.0082	< 0.0074	< 0.0085	< 0.0083	0.0465	0.337	< 0.0090	< 0.0087	< 0.0084														
Benzo(k)fluoranthene	mg/kg	11.5	ca	211	ca	NS	< 0.0107	< 0.0107	< 0.0106	< 0.0122	< 0.0101	< 0.0173	< 0.0101	< 0.0092	< 0.0105	< 0.0102	0.0335	0.178	< 0.0112	< 0.0108	< 0.0104														
Chrysene	mg/kg	115	ca	2110	ca	<u>0.14422</u>	0.0047 J	< 0.0143	< 0.0143	< 0.0163	0.0065 J	< 0.0232	< 0.0136	< 0.0123	< 0.0141	< 0.0137	0.0738	<u>0.303</u>	< 0.0150	< 0.0145	< 0.0139														
Dibenzo(a,h)anthracene	mg/kg	0.115	ca	2.11	ca	NS	< 0.0095	< 0.0095	< 0.0095	< 0.0108	< 0.0090	< 0.0154	< 0.0090	< 0.0082	< 0.0093	< 0.0091	0.0133	0.0941	< 0.01	< 0.0096	< 0.0092														
Fluoranthene	mg/kg	2390	nc	30100	nc	88.88	0.0067 J	< 0.0222	< 0.0221	< 0.0253	0.0113 J	< 0.0361	< 0.0211	< 0.0191	< 0.0218	< 0.0212	0.18	0.661	< 0.0233	< 0.0225	< 0.0216														
Fluorene	mg/kg	2390	nc	30100	nc	14.83	< 0.0176	< 0.0176	< 0.0176	< 0.0201	< 0.0167	< 0.0286	< 0.0167	< 0.0151	< 0.0173	< 0.0168	0.0166	0.0512	< 0.0184	< 0.0178	< 0.0171														
Indeno(1,2,3-cd)pyrene	mg/kg	1.15	ca	21.1	ca	NS	< 0.0094	< 0.0093	< 0.0093	< 0.0107	0.0028 J	< 0.0152	< 0.0089	< 0.0080	< 0.0092	< 0.0089	0.0343	0.253	< 0.0098	< 0.0095	< 0.0091														
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.0359	< 0.0358	< 0.0358	< 0.0409	< 0.0340	< 0.0583	< 0.0341	< 0.0308	< 0.0353	< 0.0343	< 0.0314	0.0308 J	< 0.0376	< 0.0363	0.0136 J														
Phenanthrene	mg/kg	NS	NS	NS	NS	NS	< 0.0495	< 0.0494	< 0.0494	< 0.0564	< 0.0470	< 0.0804	< 0.0470	< 0.0425	< 0.0487	< 0.0473	0.135	0.326	< 0.0519	< 0.0501	< 0.0481														
Pyrene	mg/kg	1790	nc	22600	nc	54.55	< 0.0191	< 0.0191	< 0.0191	< 0.0218	0.0083 J	< 0.0311	< 0.0182	< 0.0164	< 0.0188	< 0.0183	0.134	0.505	< 0.0200	< 0.0194	< 0.0186														

**Notes:**

Results reported in milligrams per kilogram (mg/kg).

**Bold** values exceed an industrial direct contact RCL

Underlined values exceed the NR140 Migration from Soil to Groundwater Standard, dilution factor 2.

Csat = Saturation concentration

nc = non-carcinogen

ca = carcinogen

NS = No established standard

NA = Not analyzed

N = Normal sample

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.





**TABLE 1a - Soil Sampling Results**

**BRRTS # 02-13-580722**  
**SITE NAME:** Former Filling Stations - 910 Mayer Facility  
**SITE ADDRESS:** 910 Mayer Avenue Madison, WI 53704

		Location ID		FS-MW-10	FS-MW-10	FS-MW-11	FS-MW-11	FS-MW-12	FS-MW-13	FS-MW-13			
		Sample Date		4/3/2019	4/3/2019	4/3/2019	4/3/2019	4/2/2019	4/3/2019	4/3/2019			
		Sample Type		N	N	N	N	N	N	N			
		Sample Depth		3.5-4.5 ft	4.5-5.5 ft	4.5-5.5 ft	6.5-7.5 ft	4.5-5.5 ft	4.5-5.5 ft	5.5-6.5 ft			
		NR140											
Parameter	Unit	Non-Industrial Direct Contact		Industrial Direct Contact		Soil to Groundwater (DF 2)							
		NTE-RCL	Basis	NTE-RCL	Basis								
<b>SVOCs</b>													
1-Methylnaphthalene	mg/kg	17.6	ca	72.7	ca	NS	0.0481 J	0.0081 J	< 0.0163	0.0179	< 0.0147	0.0114 J	< 0.0155
2-Methylnaphthalene	mg/kg	239	nc	3010	nc	NS	0.0661 J	0.0145 J	< 0.0203	0.0230	< 0.0183	0.0142 J	< 0.0193
Acenaphthene	mg/kg	3590	nc	45200	nc	NS	0.104	< 0.0168	< 0.0156	0.0108 J	< 0.0141	0.0238 J	0.0091 J
Acenaphthylene	mg/kg	NS	NS	NS	NS	NS	0.105	< 0.0143	< 0.0133	0.0114 J	< 0.0120	0.0257	< 0.0127
Anthracene	mg/kg	17900	nc	100000	ceiling	196.95	0.259	0.0094 J	< 0.0230	0.0264	< 0.0208	0.163	0.0391
Benzo(a)anthracene	mg/kg	1.14	ca	20.8	ca	NS	0.638	0.0239	0.0054 J	0.0642	< 0.0116	0.488	0.0857
Benzo(a)pyrene	mg/kg	0.115	ca	2.11	ca	<u>0.47000</u>	<u>0.714</u>	0.0230	0.0036 J	0.0658	< 0.0092	<u>0.535</u>	0.0829
Benzo(b)fluoranthene	mg/kg	1.15	ca	21.1	ca	<u>0.47809</u>	<u>0.847</u>	0.0384	0.0071 J	0.0933	< 0.0103	<u>0.698</u>	0.1
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	NS	0.306	0.0201	0.0037 J	0.0454	< 0.0074	0.157	0.0481
Benzo(k)fluoranthene	mg/kg	11.5	ca	211	ca	NS	0.187	0.0138	0.0033 J	0.0397	< 0.0091	0.249	0.0463
Chrysene	mg/kg	115	ca	2110	ca	<u>0.14422</u>	<u>0.493</u>	0.0316	0.0065 J	0.0825	< 0.0123	<u>0.434</u>	0.0925
Dibenzo(a,h)anthracene	mg/kg	0.115	ca	2.11	ca	NS	0.0841	0.0048 J	< 0.0090	0.0118	< 0.0082	0.0535	0.0108
Fluoranthene	mg/kg	2390	nc	30100	nc	88.88	1.06	0.0569	0.0135 J	0.18	< 0.0190	0.994	0.22
Fluorene	mg/kg	2390	nc	30100	nc	14.83	0.155	< 0.0179	< 0.0167	0.0218	< 0.0151	0.0429	0.0140 J
Indeno(1,2,3-cd)pyrene	mg/kg	1.15	ca	21.1	ca	NS	0.193	0.0141	< 0.0089	0.0354	< 0.0080	0.154	0.0381
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	0.0608 J	< 0.0365	< 0.0341	0.0472	< 0.0307	< 0.0634	< 0.0324
Phenanthrene	mg/kg	NS	NS	NS	NS	NS	0.834	0.0400 J	< 0.0471	0.133	< 0.0424	0.444	0.134
Pyrene	mg/kg	1790	nc	22600	nc	54.55	1.48	0.0420	0.0102 J	0.135	< 0.0164	0.74	0.161

**Notes:**

Results reported in milligrams per kilogram (mg/kg).

**Bold** values exceed an industrial direct contact RCL

Underlined values exceed the NR140 Migration from Soil to Groundwater Standard, dilution factor 2.

Csat = Saturation concentration

nc = non-carcinogen

ca = carcinogen

NS = No established standard

NA = Not analyzed

N = Normal sample

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.

TABLE 1b - Soil Sampling Results

BRRTS # 02-13-580721  
 SITE NAME: Former Ethylene Dichloride ASTs - 910 Mayer Facility  
 SITE ADDRESS: 910 Mayer Avenue Madison, WI 53704

							Location ID	TS-MW-17C
							Sample Date	4/15/2019
							Sample Type	N
							Sample Depth	2.5-3.5 ft
Parameter	Unit	Non-Industrial Direct Contact		Industrial Direct Contact		NR140	Soil to Groundwater (DF 2)	
		NTE-RCL	Basis	NTE-RCL	Basis			
<b>VOCS</b>								
1,1,1,2-Tetrachloroethane	mg/kg	2.78	ca	12.3	ca	0.05341	< 0.0612	
1,1,1-Trichloroethane	mg/kg	640	Csat	640	Csat	0.14020	< 0.0612	
1,1,2,2-Tetrachloroethane	mg/kg	0.810	ca	3.60	ca	0.000156	< 0.0612	
1,1,2-Trichloroethane	mg/kg	1.59	ca	7.01	ca	<u>0.003240</u>	<u>0.0602 J</u>	
1,1-Dichloroethane	mg/kg	5.06	ca	22.2	ca	0.48342	< 0.0612	
1,1-Dichloroethene	mg/kg	320	nc	1190	Csat	0.005020	< 0.0612	
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	< 0.0612	
1,2,3-Trichlorobenzene	mg/kg	62.6	nc	934	nc	NS	< 0.0612	
1,2,3-Trichloropropane	mg/kg	0.0051	ca	0.109	ca	0.05191	< 0.0612	
1,2,4-Trichlorobenzene	mg/kg	24.0	ca	113	ca	0.40800	< 0.255	
1,2,4-Trimethylbenzene	mg/kg	219	Csat	219	Csat	NS	< 0.0612	
1,2-Dibromo-3-chloropropane	mg/kg	0.0075	ca	0.092	ca	0.000173	< 0.255	
1,2-Dichlorobenzene	mg/kg	376	Csat	376	Csat	1.17	< 0.0612	
1,2-Dichloroethane	mg/kg	0.652	ca	2.87	ca	<u>0.002840</u>	<u>0.0946</u>	
1,2-Dichloropropane	mg/kg	3.40	ca	15.0	ca	0.003320	< 0.0612	
1,3,5-Trimethylbenzene	mg/kg	182	Csat	182	Csat	NS	< 0.0612	
1,3-Dichlorobenzene	mg/kg	297	Csat	297	Csat	1.15	< 0.0612	
1,3-Dichloropropane	mg/kg	1490	Csat	1490	Csat	NS	< 0.0612	
1,4-Dichlorobenzene	mg/kg	3.74	ca	16.4	ca	0.14400	< 0.0612	
2,2-Dichloropropane	mg/kg	191	Csat	191	Csat	NS	< 0.0612	
4-Chlorotoluene	mg/kg	253	Csat	253	Csat	NS	< 0.0612	
4-Isopropyltoluene	mg/kg	162	Csat	162	Csat	NS	< 0.0612	
Benzene	mg/kg	1.60	ca	7.07	ca	0.005120	< 0.0612	
Bromobenzene	mg/kg	342	nc	679	Csat	NS	< 0.0612	
Bromodichloromethane	mg/kg	0.418	ca	1.83	ca	0.000326	< 0.0612	
Bromoform	mg/kg	25.4	ca	113	ca	0.002332	< 0.0612	
Carbon tetrachloride	mg/kg	0.916	ca	4.03	ca	0.003880	< 0.0612	
Chlorobenzene	mg/kg	370	nc	761	Csat	0.13580	< 0.0612	
Chlorobromomethane	mg/kg	216	nc	906	nc	NS	< 0.0612	
Chloroethane	mg/kg	2120	Csat	2120	Csat	0.22660	< 0.255	
Chloroform	mg/kg	0.454	ca	1.98	ca	0.003330	< 0.255	
cis-1,2-Dichloroethene	mg/kg	156	nc	2340	nc	0.04120	< 0.0612	
cis-1,3-Dichloropropene	mg/kg	1210	Csat	1210	Csat	NS	< 0.0612	
Dibromochloromethane	mg/kg	8.28	ca	38.9	ca	0.03195	< 0.0612	
Dibromomethane	mg/kg	34.0	nc	143	nc	NS	< 0.0612	
Dichlorodifluoromethane (Freon 12)	mg/kg	126	nc	530	nc	3.09	< 0.0612	
Ethylbenzene	mg/kg	8.02	ca	35.4	ca	1.57	< 0.0612	
Ethylene dibromide	mg/kg	0.050	ca	0.221	ca	0.000028	< 0.0612	
Hexachlorobutadiene	mg/kg	1.63	ca	7.19	ca	NS	< 0.0612	
Isopropyl ether	mg/kg	2260	Csat	2260	Csat	NS	0.157	
Isopropylbenzene (Cumene)	mg/kg	268	Csat	268	Csat	NS	< 0.0612	
m,p-Xylenes	mg/kg	NS	NS	NS	NS	NS	< 0.122	
Methyl bromide	mg/kg	9.60	nc	43.0	nc	0.005060	< 0.255	
Methyl chloride	mg/kg	159	nc	669	nc	0.01551	< 0.0612	
Methyl tert-butyl ether	mg/kg	63.8	ca	282	ca	0.02702	< 0.0612	
Methylene chloride	mg/kg	61.8	ca	1150	ca	0.002560	< 0.0612	
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.255	
n-Butylbenzene	mg/kg	108	Csat	108	Csat	NS	< 0.0612	
n-Propylbenzene	mg/kg	264	Csat	264	Csat	NS	< 0.0612	
o-Chlorotoluene (2-chlorotoluene)	mg/kg	907	Csat	907	Csat	NS	< 0.0612	
o-Xylene	mg/kg	434	Csat	434	Csat	NS	< 0.0612	
sec-Butylbenzene	mg/kg	145	Csat	145	Csat	NS	< 0.0612	
Styrene	mg/kg	867	Csat	867	Csat	0.22000	< 0.0612	
tert-Butylbenzene	mg/kg	183	Csat	183	Csat	NS	< 0.0612	
Tetrachloroethene	mg/kg	33.0	ca	145	ca	<u>0.004540</u>	<u>0.647</u>	
Toluene	mg/kg	818	Csat	818	Csat	1.11	< 0.0612	
trans-1,2-Dichloroethene	mg/kg	1560	nc	1850	Csat	0.06260	< 0.0612	
trans-1,3-Dichloropropene	mg/kg	1510	Csat	1510	Csat	NS	< 0.0612	
Trichloroethene	mg/kg	1.30	ca	8.41	ca	<u>0.003580</u>	<u>0.176</u>	
Trichlorofluoromethane (Freon 11)	mg/kg	1230	Csat	1230	Csat	4.48	< 0.0612	
Vinyl chloride	mg/kg	0.067	ca	2.08	ca	0.000138	< 0.0612	

**Notes:**

Results reported in milligrams per kilogram (mg/kg).

**Bold** values exceed an industrial direct contact RCL

Underlined values exceed the NR140 Migration from Soil to Groundwater Standard, dilution factor 2.

Csat = Saturation concentration

nc = non-carcinogen

ca = carcinogen

NS = No established standard

NA = Not analyzed

N = Normal sample

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.

TABLE 1c - Soil Sampling Results

<b>BRRTS # 02-13-580723</b>
<b>SITE NAME:</b> Former Spice Room - 910 Mayer Facility
<b>SITE ADDRESS:</b> 910 Mayer Avenue Madison, WI 53704

Parameter	Unit	Non-Industrial Direct Contact		Industrial Direct Contact		NR140 Soil to Groundwater (DF 2)	Location ID	SR-MW-15	SR-MW-15	SR-MW-16B	SR-MW-16B
		NTE-RCL	Basis	NTE-RCL	Basis		Sample Date	4/8/2019	4/8/2019	4/5/2019	4/5/2019
							Sample Type	N	N	N	N
							Sample Depth	4.5-5.5 ft	5.5-6.5 ft	3.5-4.5 ft	4.5-5.5 ft
<b>VOCs</b>											
1,1,1,2-Tetrachloroethane	mg/kg	2.78	ca	12.3	ca	0.05341	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,1,1-Trichloroethane	mg/kg	640	Csat	640	Csat	0.14020	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,1,2,2-Tetrachloroethane	mg/kg	0.810	ca	3.60	ca	0.000156	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,1,2-Trichloroethane	mg/kg	1.59	ca	7.01	ca	<u>0.003240</u>	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,1-Dichloroethane	mg/kg	5.06	ca	22.2	ca	0.48342	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,1-Dichloroethene	mg/kg	320	nc	1190	Csat	0.005020	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,2,3-Trichlorobenzene	mg/kg	62.6	nc	934	nc	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,2,3-Trichloropropane	mg/kg	0.0051	ca	0.109	ca	0.05191	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,2,4-Trichlorobenzene	mg/kg	24.0	ca	113	ca	0.40800	< 0.25	< 0.25	< 0.25	< 0.25	
1,2,4-Trimethylbenzene	mg/kg	219	Csat	219	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,2-Dibromo-3-chloropropane	mg/kg	0.0075	ca	0.092	ca	0.000173	< 0.25	< 0.25	< 0.25	< 0.25	
1,2-Dichlorobenzene	mg/kg	376	Csat	376	Csat	1.17	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,2-Dichloroethane	mg/kg	0.652	ca	2.87	ca	<u>0.002840</u>	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,2-Dichloropropane	mg/kg	3.40	ca	15.0	ca	0.003320	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,3,5-Trimethylbenzene	mg/kg	182	Csat	182	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,3-Dichlorobenzene	mg/kg	297	Csat	297	Csat	1.15	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,3-Dichloropropane	mg/kg	1490	Csat	1490	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
1,4-Dichlorobenzene	mg/kg	3.74	ca	16.4	ca	0.14400	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
2,2-Dichloropropane	mg/kg	191	Csat	191	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
4-Chlorotoluene	mg/kg	253	Csat	253	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
4-Isopropyltoluene	mg/kg	162	Csat	162	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Benzene	mg/kg	1.60	ca	7.07	ca	0.005120	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Bromobenzene	mg/kg	342	nc	679	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Bromodichloromethane	mg/kg	0.418	ca	1.83	ca	0.000326	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Bromoform	mg/kg	25.4	ca	113	ca	0.002332	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Carbon tetrachloride	mg/kg	0.916	ca	4.03	ca	0.003880	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Chlorobenzene	mg/kg	370	nc	761	Csat	0.13580	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Chlorobromomethane	mg/kg	216	nc	906	nc	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Chloroethane	mg/kg	2120	Csat	2120	Csat	0.22660	< 0.25	< 0.25	< 0.25	< 0.25	
Chloroform	mg/kg	0.454	ca	1.98	ca	0.003330	< 0.25	< 0.25	< 0.25	< 0.25	
cis-1,2-Dichloroethene	mg/kg	156	nc	2340	nc	0.04120	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
cis-1,3-Dichloropropene	mg/kg	1210	Csat	1210	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Dibromochloromethane	mg/kg	8.28	ca	38.9	ca	0.03195	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Dibromomethane	mg/kg	34.0	nc	143	nc	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Dichlorodifluoromethane (Freon 12)	mg/kg	126	nc	530	nc	3.09	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Ethylbenzene	mg/kg	8.02	ca	35.4	ca	1.57	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Ethylene dibromide	mg/kg	0.050	ca	0.221	ca	0.000028	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Hexachlorobutadiene	mg/kg	1.63	ca	7.19	ca	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Isopropyl ether	mg/kg	2260	Csat	2260	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Isopropylbenzene (Cumene)	mg/kg	268	Csat	268	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
m,p-Xylenes	mg/kg	NS	NS	NS	NS	NS	< 0.12	< 0.12	< 0.12	< 0.12	
Methyl bromide	mg/kg	9.60	nc	43.0	nc	0.005060	< 0.25	< 0.25	< 0.25	< 0.25	
Methyl chloride	mg/kg	159	nc	669	nc	0.01551	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Methyl tert-butyl ether	mg/kg	63.8	ca	282	ca	0.02702	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Methylene chloride	mg/kg	61.8	ca	1150	ca	0.002560	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.25	< 0.25	< 0.25	< 0.25	
n-Butylbenzene	mg/kg	108	Csat	108	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
n-Propylbenzene	mg/kg	264	Csat	264	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
o-Chlorotoluene (2-chlorotoluene)	mg/kg	907	Csat	907	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
o-Xylene	mg/kg	434	Csat	434	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
sec-Butylbenzene	mg/kg	145	Csat	145	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Styrene	mg/kg	867	Csat	867	Csat	0.22000	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
tert-Butylbenzene	mg/kg	183	Csat	183	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Tetrachloroethene	mg/kg	33.0	ca	145	ca	<u>0.004540</u>	<u>0.0561 J</u>	<u>0.0453 J</u>	< 0.0600	< 0.0600	
Toluene	mg/kg	818	Csat	818	Csat	1.11	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
trans-1,2-Dichloroethene	mg/kg	1560	nc	1850	Csat	0.06260	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
trans-1,3-Dichloropropene	mg/kg	1510	Csat	1510	Csat	NS	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Trichloroethene	mg/kg	1.30	ca	8.41	ca	<u>0.003580</u>	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Trichlorofluoromethane (Freon 11)	mg/kg	1230	Csat	1230	Csat	4.48	< 0.0600	< 0.0600	< 0.0600	< 0.0600	
Vinyl chloride	mg/kg	0.067	ca	2.08	ca	0.000138	< 0.0600	< 0.0600	< 0.0600	< 0.0600	

**Notes:**

Results reported in milligrams per kilogram (mg/kg).

**Bold** values exceed an industrial direct contact RCL

Underlined values exceed the NR140 Migration from Soil to Groundwater Standard, dilution factor 2.

Csat = Saturation concentration

nc = non-carcinogen

ca = carcinogen

NS = No established standard

NA = Not analyzed

N = Normal sample

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.

TABLE 1c - Soil Sampling Results

BRRTS # 02-13-580723  
 SITE NAME: Former Spice Room - 910 Mayer Facility  
 SITE ADDRESS: 910 Mayer Avenue Madison, WI 53704

Parameter	Unit	Non-Industrial Direct Contact		Industrial Direct Contact		NR140 Soil to Groundwater (DF 2)	Location ID	SB-70	SB-70	SB-71
		NTE-RCL	Basis	NTE-RCL	Basis		Sample Date	4/8/2019	4/8/2019	4/8/2019
							Sample Type	N	N	N
							Sample Depth	1.5-2.5 ft	2.5-3.5 ft	1-2 ft
<b>VOCs</b>										
1,1,1,2-Tetrachloroethane	mg/kg	2.78	ca	12.3	ca	0.05341	< 0.0600	< 0.0600	< 0.0600	
1,1,1-Trichloroethane	mg/kg	640	Csat	640	Csat	0.14020	< 0.0600	< 0.0600	< 0.0600	
1,1,2,2-Tetrachloroethane	mg/kg	0.810	ca	3.60	ca	0.000156	< 0.0600	< 0.0600	< 0.0600	
1,1,2-Trichloroethane	mg/kg	1.59	ca	7.01	ca	<u>0.003240</u>	< 0.0600	< 0.0600	< 0.0600	
1,1-Dichloroethane	mg/kg	5.06	ca	22.2	ca	0.48342	< 0.0600	< 0.0600	< 0.0600	
1,1-Dichloroethene	mg/kg	320	nc	1190	Csat	0.005020	< 0.0600	< 0.0600	< 0.0600	
1,1-Dichloropropene	mg/kg	NS	NS	NS	NS	NS	< 0.0600	< 0.0600	< 0.0600	
1,2,3-Trichlorobenzene	mg/kg	62.6	nc	934	nc	NS	< 0.0600	< 0.0600	< 0.0600	
1,2,3-Trichloropropane	mg/kg	0.0051	ca	0.109	ca	0.05191	< 0.0600	< 0.0600	< 0.0600	
1,2,4-Trichlorobenzene	mg/kg	24.0	ca	113	ca	0.40800	< 0.25	< 0.25	< 0.25	
1,2,4-Trimethylbenzene	mg/kg	219	Csat	219	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
1,2-Dibromo-3-chloropropane	mg/kg	0.0075	ca	0.092	ca	0.000173	< 0.25	< 0.25	< 0.25	
1,2-Dichlorobenzene	mg/kg	376	Csat	376	Csat	1.17	< 0.0600	< 0.0600	< 0.0600	
1,2-Dichloroethane	mg/kg	0.652	ca	2.87	ca	<u>0.002840</u>	< 0.0600	< 0.0600	< 0.0600	
1,2-Dichloropropane	mg/kg	3.40	ca	15.0	ca	0.003320	< 0.0600	< 0.0600	< 0.0600	
1,3,5-Trimethylbenzene	mg/kg	182	Csat	182	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
1,3-Dichlorobenzene	mg/kg	297	Csat	297	Csat	1.15	< 0.0600	< 0.0600	< 0.0600	
1,3-Dichloropropane	mg/kg	1490	Csat	1490	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
1,4-Dichlorobenzene	mg/kg	3.74	ca	16.4	ca	0.14400	< 0.0600	< 0.0600	< 0.0600	
2,2-Dichloropropane	mg/kg	191	Csat	191	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
4-Chlorotoluene	mg/kg	253	Csat	253	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
4-Isopropyltoluene	mg/kg	162	Csat	162	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
Benzene	mg/kg	1.60	ca	7.07	ca	0.005120	< 0.0600	< 0.0600	< 0.0600	
Bromobenzene	mg/kg	342	nc	679	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
Bromodichloromethane	mg/kg	0.418	ca	1.83	ca	0.000326	< 0.0600	< 0.0600	< 0.0600	
Bromoform	mg/kg	25.4	ca	113	ca	0.002332	< 0.0600	< 0.0600	< 0.0600	
Carbon tetrachloride	mg/kg	0.916	ca	4.03	ca	0.003880	< 0.0600	< 0.0600	< 0.0600	
Chlorobenzene	mg/kg	370	nc	761	Csat	0.13580	< 0.0600	< 0.0600	< 0.0600	
Chlorobromomethane	mg/kg	216	nc	906	nc	NS	< 0.0600	< 0.0600	< 0.0600	
Chloroethane	mg/kg	2120	Csat	2120	Csat	0.22660	< 0.25	< 0.25	< 0.25	
Chloroform	mg/kg	0.454	ca	1.98	ca	0.003330	< 0.25	< 0.25	< 0.25	
cis-1,2-Dichloroethene	mg/kg	156	nc	2340	nc	0.04120	< 0.0600	< 0.0600	< 0.0600	
cis-1,3-Dichloropropene	mg/kg	1210	Csat	1210	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
Dibromochloromethane	mg/kg	8.28	ca	38.9	ca	0.03195	< 0.0600	< 0.0600	< 0.0600	
Dibromomethane	mg/kg	34.0	nc	143	nc	NS	< 0.0600	< 0.0600	< 0.0600	
Dichlorodifluoromethane (Freon 12)	mg/kg	126	nc	530	nc	3.09	< 0.0600	< 0.0600	< 0.0600	
Ethylbenzene	mg/kg	8.02	ca	35.4	ca	1.57	< 0.0600	< 0.0600	< 0.0600	
Ethylene dibromide	mg/kg	0.050	ca	0.221	ca	0.000028	< 0.0600	< 0.0600	< 0.0600	
Hexachlorobutadiene	mg/kg	1.63	ca	7.19	ca	NS	< 0.0600	< 0.0600	< 0.0600	
Isopropyl ether	mg/kg	2260	Csat	2260	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
Isopropylbenzene (Cumene)	mg/kg	268	Csat	268	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
m,p-Xylenes	mg/kg	NS	NS	NS	NS	NS	< 0.12	< 0.12	< 0.12	
Methyl bromide	mg/kg	9.60	nc	43.0	nc	0.005060	< 0.25	< 0.25	< 0.25	
Methyl chloride	mg/kg	159	nc	669	nc	0.01551	< 0.0600	< 0.0600	< 0.0600	
Methyl tert-butyl ether	mg/kg	63.8	ca	282	ca	0.02702	< 0.0600	< 0.0600	< 0.0600	
Methylene chloride	mg/kg	61.8	ca	1150	ca	0.002560	< 0.0600	< 0.0600	< 0.0600	
Naphthalene	mg/kg	5.52	ca	24.1	ca	0.65818	< 0.25	< 0.25	< 0.25	
n-Butylbenzene	mg/kg	108	Csat	108	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
n-Propylbenzene	mg/kg	264	Csat	264	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
o-Chlorotoluene (2-chlorotoluene)	mg/kg	907	Csat	907	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
o-Xylene	mg/kg	434	Csat	434	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
sec-Butylbenzene	mg/kg	145	Csat	145	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
Styrene	mg/kg	867	Csat	867	Csat	0.22000	< 0.0600	< 0.0600	< 0.0600	
tert-Butylbenzene	mg/kg	183	Csat	183	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
Tetrachloroethene	mg/kg	33.0	ca	145	ca	<u>0.004540</u>	< 0.0600	< 0.0600	< 0.0600	
Toluene	mg/kg	818	Csat	818	Csat	1.11	< 0.0600	< 0.0600	< 0.0600	
trans-1,2-Dichloroethene	mg/kg	1560	nc	1850	Csat	0.06260	< 0.0600	< 0.0600	< 0.0600	
trans-1,3-Dichloropropene	mg/kg	1510	Csat	1510	Csat	NS	< 0.0600	< 0.0600	< 0.0600	
Trichloroethene	mg/kg	1.30	ca	8.41	ca	<u>0.003580</u>	<u>0.346</u>	<u>0.712</u>	<u>0.0874</u>	
Trichlorofluoromethane (Freon 11)	mg/kg	1230	Csat	1230	Csat	4.48	< 0.0600	< 0.0600	< 0.0600	
Vinyl chloride	mg/kg	0.067	ca	2.08	ca	0.000138	< 0.0600	< 0.0600	< 0.0600	

**Notes:**

Results reported in milligrams per kilogram (mg/kg).

**Bold** values exceed an industrial direct contact RCL

Underlined values exceed the NR140 Migration from Soil to Groundwater Standard, dilution factor 2.

Csat = Saturation concentration

nc = non-carcinogen

ca = carcinogen

NS = No established standard

NA = Not analyzed

N = Normal sample

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.



TABLE 2a - Groundwater Sampling Results

BRRTS # 02-13-580722  
 SITE NAME: Former Filling Stations - 910 Mayer Facility  
 SITE ADDRESS: 910 Mayer Avenue Madison, WI 53704

				Location ID	FS-MW-01	FS-MW-02	FS-MW-02	FS-MW-03	FS-MW-04	FS-MW-05	FS-MW-06	FS-MW-07	FS-MW-08	FS-MW-09	FS-MW-10	FS-MW-11	FS-MW-11	FS-MW-12	FS-MW-13
				Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	FD	N	N
				Sample Date	5/6/2019	5/7/2019	5/7/2019	5/7/2019	5/8/2019	5/8/2019	5/7/2019	5/7/2019	5/8/2019	5/7/2019	5/9/2019	5/8/2019	5/8/2019	5/6/2019	5/7/2019
Parameter	Unit	PAL	ES																
<b>SVOCs</b>																			
1-Methylnaphthalene	ug/L	NS	NS	< 0.027	0.0097 J	0.0084 J	0.0070 J	< 0.027	0.083	0.042	0.0093 J	< 0.027	0.012 J	0.0076 J	< 0.027	< 0.027	< 0.026	0.011 J	
2-Methylnaphthalene	ug/L	NS	NS	< 0.022	0.010 J	0.0071 J	0.0093 J	0.0084 J	< 0.023	0.012 J	0.0086 J	< 0.022	0.012 J	0.0067 J	0.0045 J	< 0.022	< 0.022	0.0088 J	
Acenaphthene	ug/L	NS	NS	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	0.019 J	0.017 J	< 0.029	< 0.028	< 0.028	< 0.028	< 0.027	< 0.028	< 0.027	< 0.028	
Acenaphthylene	ug/L	NS	NS	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	0.022 J	< 0.024	< 0.023	< 0.023	< 0.023	< 0.022	< 0.023	< 0.022	< 0.023	
Anthracene	ug/L	600	3000	< 0.048	0.039 J	0.012 J	0.034 J	< 0.048	< 0.049	0.025 J	0.033 J	< 0.048	0.075	< 0.048	0.0097 J	< 0.048	< 0.047	0.041 J	
Benzo(a)anthracene	ug/L	NS	NS	< 0.034	0.011 J	0.0069 J	0.0085 J	< 0.035	< 0.035	0.0086 J	0.0080 J	< 0.035	0.016 J	< 0.035	< 0.034	< 0.035	< 0.034	0.0090 J	
Benzo(a)pyrene	ug/L	0.02	0.2	< 0.048	< 0.048	< 0.048	< 0.049	< 0.048	< 0.049	< 0.048	< 0.050	< 0.048	< 0.049	< 0.048	< 0.047	< 0.048	< 0.047	< 0.048	
Benzo(b)fluoranthene	ug/L	0.02	0.2	< 0.026	< 0.026	< 0.026	< 0.027	< 0.026	< 0.027	< 0.026	< 0.027	< 0.026	0.0065 J	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	
Benzo(g,h,i)perylene	ug/L	NS	NS	< 0.031	< 0.031	< 0.031	< 0.032	< 0.031	< 0.032	0.023 J	< 0.032	< 0.031	< 0.032	< 0.031	0.012 J	< 0.031	< 0.030	0.022 J	
Benzo(k)fluoranthene	ug/L	NS	NS	< 0.034	< 0.034	< 0.034	< 0.035	< 0.035	< 0.035	< 0.035	< 0.036	< 0.035	< 0.035	< 0.035	< 0.034	< 0.035	< 0.034	< 0.035	
Chrysene	ug/L	0.02	0.2	< 0.059	0.017 J	< 0.059	< 0.061	< 0.060	< 0.061	< 0.060	0.015 J	< 0.060	0.030 J	< 0.060	< 0.059	< 0.060	< 0.058	< 0.060	
Dibenzo(a,h)anthracene	ug/L	NS	NS	< 0.046	< 0.046	< 0.046	< 0.047	< 0.046	< 0.047	< 0.046	< 0.048	< 0.046	< 0.047	< 0.046	< 0.045	< 0.046	< 0.045	< 0.046	
Fluoranthene	ug/L	80	400	< 0.048	0.011 J	< 0.048	< 0.050	< 0.049	< 0.050	< 0.049	< 0.051	< 0.049	0.018 J	< 0.049	< 0.048	< 0.049	< 0.048	0.010 J	
Fluorene	ug/L	80	400	< 0.036	0.0077 J	< 0.036	< 0.037	< 0.037	< 0.037	0.018 J	< 0.038	< 0.037	< 0.037	< 0.037	< 0.036	< 0.037	< 0.036	0.012 J	
Indeno(1,2,3-cd)pyrene	ug/L	NS	NS	< 0.080	< 0.080	< 0.080	< 0.082	< 0.081	< 0.082	< 0.081	< 0.084	< 0.081	< 0.082	< 0.081	< 0.079	< 0.081	< 0.079	< 0.081	
Naphthalene	ug/L	10	100	< 0.083	0.020 J	< 0.083	< 0.086	< 0.084	0.46	0.079 J	< 0.087	< 0.084	0.033 J	< 0.084	< 0.083	< 0.084	< 0.082	0.036 J	
Phenanthrene	ug/L	NS	NS	< 0.063	0.085	0.030 J	0.049 J	< 0.063	< 0.064	0.033 J	0.059 J	< 0.063	0.14	< 0.063	< 0.062	< 0.063	< 0.062	0.044 J	
Pyrene	ug/L	50	250	< 0.035	0.014 J	0.0071 J	0.011 J	< 0.035	< 0.036	0.013 J	0.014 J	< 0.035	0.019 J	< 0.035	< 0.034	< 0.035	< 0.034	0.017 J	

**Notes:**

Results reported in micrograms per liter (ug/L).

*Italicized* values exceed the Chapter NR140 Preventive Action Limit (PAL)

**Bold** values exceed the Chapter NR140 Enforcement Standard (ES)

NS = No established standard

J = Estimated concentration at or above the limit of detection and below the limit of quantitation.

N = Normal sample

FD = Field duplicate sample

TABLE 2b - Groundwater Sampling Results

BRRTS # 02-13-580721				Location ID	TS-MW-17A	TS-MW-17B	TS-MW-17C
SITE NAME: Former Ethylene Dichloride ASTs - 910 Mayer Facility				Sample Type	N	N	N
SITE ADDRESS: 910 Mayer Avenue Madison, WI 53704				Sample Date	5/9/2019	5/10/2019	5/10/2019
Parameter	Unit	PAL	ES				
<b>VOCs</b>							
1,1,1,2-Tetrachloroethane	ug/L	7	70	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	ug/L	40	200	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	ug/L	0.02	0.2	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	ug/L	0.5	5	0.68 J	2.0 J	< 5.0	< 5.0
1,1-Dichloroethane	ug/L	85	850	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	ug/L	0.7	7	< 1.0	0.43 J	< 1.0	< 1.0
1,1-Dichloropropene	ug/L	NS	NS	< 1.8	< 1.8	< 1.8	< 1.8
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-Trichloropropane	ug/L	12	60	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	ug/L	14	70	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	ug/L	NS	NS	< 2.8	< 2.8	< 2.8	< 2.8
1,2-Dibromo-3-chloropropane	ug/L	0.02	0.2	< 5.9	< 5.9	< 5.9	< 5.9
1,2-Dichlorobenzene	ug/L	60	600	< 2.4	< 2.4	< 2.4	< 2.4
1,2-Dichloroethane	ug/L	0.5	5	8240	5550	30.3	30.3
1,2-Dichloropropane	ug/L	0.5	5	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	ug/L	NS	NS	< 2.9	< 2.9	< 2.9	< 2.9
1,3-Dichlorobenzene	ug/L	120	600	< 2.1	< 2.1	< 2.1	< 2.1
1,3-Dichloropropane	ug/L	NS	NS	< 2.8	< 2.8	< 2.8	< 2.8
1,4-Dichlorobenzene	ug/L	15	75	< 3.1	< 3.1	< 3.1	< 3.1
2,2-Dichloropropane	ug/L	NS	NS	< 7.6	< 7.6	< 7.6	< 7.6
4-Chlorotoluene	ug/L	NS	NS	< 2.5	< 2.5	< 2.5	< 2.5
4-Isopropyltoluene	ug/L	NS	NS	< 2.7	< 2.7	< 2.7	< 2.7
Benzene	ug/L	0.5	5	1.6	< 1.0	< 1.0	< 1.0
Bromobenzene	ug/L	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	ug/L	NS	0.6	< 1.2	< 1.2	2.2	2.2
Bromoform	ug/L	NS	4.4	< 13.2	< 13.2	< 13.2	< 13.2
Carbon tetrachloride	ug/L	0.5	5	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	ug/L	20	100	< 2.4	< 2.4	< 2.4	< 2.4
Chlorobromomethane	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	ug/L	80	400	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	ug/L	0.6	6	< 5.0	< 5.0	2.2 J	2.2 J
cis-1,2-Dichloroethene	ug/L	7	70	1.3	0.50 J	< 1.0	< 1.0
cis-1,3-Dichloropropene	ug/L	NS	NS	< 12.1	< 12.1	< 12.1	< 12.1
Dibromochloromethane	ug/L	6	60	< 8.7	< 8.7	< 8.7	< 8.7
Dibromomethane	ug/L	NS	NS	< 3.1	< 3.1	< 3.1	< 3.1
Dichlorodifluoromethane (Freon 12)	ug/L	200	1000	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	ug/L	140	700	< 1.0	< 1.0	< 1.0	< 1.0
Ethylene dibromide	ug/L	0.005	0.05	< 2.8	< 2.8	< 2.8	< 2.8
Hexachlorobutadiene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0
Isopropyl ether	ug/L	NS	NS	9.7	< 6.3	< 6.3	< 6.3
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylenes	ug/L	NS	NS	< 2.0	< 2.0	< 2.0	< 2.0
Methyl bromide	ug/L	1	10	< 5.0	< 5.0	< 5.0	< 5.0
Methyl chloride	ug/L	3	30	< 7.3	< 7.3	< 7.3	< 7.3
Methyl tert-butyl ether	ug/L	12	60	< 4.2	< 4.2	< 4.2	< 4.2
Methylene chloride	ug/L	0.5	5	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	ug/L	10	100	< 5.0	< 5.0	< 5.0	< 5.0
n-Butylbenzene	ug/L	NS	NS	< 2.4	< 2.4	< 2.4	< 2.4
n-Propylbenzene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene	ug/L	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0
Styrene	ug/L	10	100	< 1.6	< 1.6	< 1.6	< 1.6
tert-Butylbenzene	ug/L	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	ug/L	0.5	5	0.56 J	< 1.1	< 1.1	< 1.1
Toluene	ug/L	160	800	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	ug/L	20	100	< 3.6	< 3.6	< 3.6	< 3.6
trans-1,3-Dichloropropene	ug/L	NS	NS	< 14.6	< 14.6	< 14.6	< 14.6
Trichloroethene	ug/L	0.5	5	1.7	0.75 J	< 1.0	< 1.0
Trichlorofluoromethane (Freon 11)	ug/L	698	3490	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	ug/L	0.02	0.2	13.5	< 1.0	< 1.0	< 1.0

**Notes:**

Results reported in micrograms per liter (ug/L).

*Italicized* values exceed the Chapter NR140 Preventive Action Limit (PAL)**Bold** values exceed the Chapter NR140 Enforcement Standard (ES)

NS = No established standard

J = Estimated concentration at or above the limit of detection and below the limit of quantitation.

N = Normal sample

FD = Field duplicate sample



TABLE 2c - VAS Groundwater Sampling Results

BRRTS # 02-13-580721				Location ID	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001		
SITE NAME: Former Ethylene Dichloride ASTs - 910 Mayer Facility				Sample Type	N	N	N	N	N	N	N	N	N	N		
SITE ADDRESS: 910 Mayer Avenue Madison, WI 53704				Sample Date	4/15/2019	4/15/2019	4/16/2019	4/16/2019	4/16/2019	4/16/2019	4/16/2019	4/16/2019	4/16/2019	4/17/2019		
				Depth Range	15-17 ft	25-27 ft	35-37 ft	45-47 ft	55-57 ft	FD	65-67 ft	75-77 ft	85-87 ft	95-97 ft	105-107 ft	115-117 ft
Parameter	Unit	PAL	ES													
<b>VOCs</b>																
1,1,1,2-Tetrachloroethane	ug/L	7	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	ug/L	40	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	ug/L	0.02	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	ug/L	0.5	5	<b>20.7</b>	4.6 J	< 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	ug/L	85	850	5.0	0.92 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	ug/L	0.7	7	<b>10.8</b>	2.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	ug/L	NS	NS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-Trichloropropane	ug/L	12	60	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	ug/L	14	70	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	ug/L	NS	NS	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-Dibromo-3-chloropropane	ug/L	0.02	0.2	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9
1,2-Dichlorobenzene	ug/L	60	600	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
1,2-Dichloroethane	ug/L	0.5	5	<b>64400</b>	<b>21700</b>	<b>8.7</b>	<b>14.6</b>	0.94 J	1.7	0.64 J	<b>10.9</b>	<b>40.6</b>	<b>2220</b>	<b>54.1</b>	<b>18.6</b>	
1,2-Dichloropropane	ug/L	0.5	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	ug/L	NS	NS	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
1,3-Dichlorobenzene	ug/L	120	600	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
1,3-Dichloropropane	ug/L	NS	NS	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,4-Dichlorobenzene	ug/L	15	75	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
2,2-Dichloropropane	ug/L	NS	NS	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6
4-Chlorotoluene	ug/L	NS	NS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
4-Isopropyltoluene	ug/L	NS	NS	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
Benzene	ug/L	0.5	5	< 1.0	4.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	ug/L	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	ug/L	NS	<b>0.6</b>	0.47 J	<b>2.2</b>	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Bromoform	ug/L	NS	<b>4.4</b>	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2
Carbon tetrachloride	ug/L	0.5	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	ug/L	20	100	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Chlorobromomethane	ug/L	NS	NS	< 5.0	< 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	ug/L	80	400	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	ug/L	0.6	6	< 5.0	1.8 J	< 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	ug/L	7	70	<b>12.1</b>	2.5	< 1.0	< 1.0	0.70 J	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	ug/L	NS	NS	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1
Dibromochloromethane	ug/L	6	60	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7
Dibromomethane	ug/L	NS	NS	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
Dichlorodifluoromethane (Freon 12)	ug/L	200	1000	< 5.0	< 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	ug/L	140	700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylene dibromide	ug/L	0.005	<b>0.05</b>	<b>1.7 J</b>	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
Hexachlorobutadiene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropyl ether	ug/L	NS	NS	12.8	3.1 J	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylenes	ug/L	NS	NS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methyl bromide	ug/L	1	10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl chloride	ug/L	3	30	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3
Methyl tert-butyl ether	ug/L	12	60	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	5.7	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	
Methylene chloride	ug/L	0.5	5	0.68 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	ug/L	10	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

TABLE 2c - VAS Groundwater Sampling Results

BRRTS # 02-13-580721  
 SITE NAME: Former Ethylene Dichloride ASTs - 910 Mayer Facility  
 SITE ADDRESS: 910 Mayer Avenue Madison, WI 53704

Parameter	Unit	PAL	Location ID Sample Type Sample Date Depth Range	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001
				N 4/15/2019 15-17 ft	N 4/15/2019 25-27 ft	N 4/16/2019 35-37 ft	N 4/16/2019 45-47 ft	N 4/16/2019 55-57 ft	FD 4/16/2019 55-57 ft	N 4/16/2019 65-67 ft	N 4/16/2019 75-77 ft	N 4/16/2019 85-87 ft	N 4/16/2019 95-97 ft	N 4/17/2019 105-107 ft
n-Butylbenzene	ug/L	NS	NS	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
n-Propylbenzene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene	ug/L	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene	ug/L	10	100	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
tert-Butylbenzene	ug/L	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	ug/L	0.5	5	4.6	1.5	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Toluene	ug/L	160	800	1.3 J	0.47 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0.24 J	< 5.0	< 5.0	0.29 J
trans-1,2-Dichloroethene	ug/L	20	100	1.3 J	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
trans-1,3-Dichloropropene	ug/L	NS	NS	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6
Trichloroethene	ug/L	0.5	5	<b>22.2</b>	<b>5.8</b>	< 1.0	< 1.0	0.38 J	0.39 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane (Freon 11)	ug/L	698	3490	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	ug/L	0.02	0.2	<b>648</b>	<b>135</b>	<b>0.83 J</b>	< 1.0	< 1.0	<b>0.23 J</b>	< 1.0	< 1.0	< 1.0	<b>0.38 J</b>	< 1.0

**Notes:**

Results reported in micrograms per liter (ug/L).

*Italicized* values exceed the Chapter NR140 Preventive Action Limit (PAL)

**Bold** values exceed the Chapter NR140 Enforcement Standard (ES)

NS = No established standard

J = Estimated concentration at or above the limit of detection and below the limit of quantitation.

N = Normal sample

FD = Field duplicate sample

TABLE 2c - VAS Groundwater Sampling Results

BRRTS # 02-13-580721  
 SITE NAME: Former Ethylene Dichloride ASTs - 910 Mayer Facility  
 SITE ADDRESS: 910 Mayer Avenue Madison, WI 53704

Parameter	Unit	PAL	ES	Location ID	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	
				Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
				Sample Date	4/17/2019	4/17/2019	4/17/2019	4/17/2019	4/18/2019	4/20/2019	4/20/2019	4/22/2019	4/22/2019	4/22/2019	4/23/2019	
				Depth Range	115-117 ft	125-127 ft	135-137 ft	145-147 ft	155-157 ft	165-167 ft	175-177 ft	188-190 ft	198-200 ft	208-210 ft	218-220 ft	228-230 ft
<b>VOCs</b>																
1,1,1,2-Tetrachloroethane	ug/L	7	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	ug/L	40	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	ug/L	0.02	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	ug/L	0.5	5	< 5.0	< 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	ug/L	85	850	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	ug/L	0.7	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	ug/L	NS	NS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-Trichloropropane	ug/L	12	60	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	ug/L	14	70	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	ug/L	NS	NS	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-Dibromo-3-chloropropane	ug/L	0.02	0.2	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9
1,2-Dichlorobenzene	ug/L	60	600	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
1,2-Dichloroethane	ug/L	0.5	5	16.0	156	3.5	33.6	705	211	93.8	5.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	ug/L	0.5	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	ug/L	NS	NS	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
1,3-Dichlorobenzene	ug/L	120	600	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
1,3-Dichloropropane	ug/L	NS	NS	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,4-Dichlorobenzene	ug/L	15	75	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
2,2-Dichloropropane	ug/L	NS	NS	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6
4-Chlorotoluene	ug/L	NS	NS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
4-Isopropyltoluene	ug/L	NS	NS	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
Benzene	ug/L	0.5	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	ug/L	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	ug/L	NS	0.6	< 1.2	< 1.2	< 1.2	2.7	0.91 J	< 1.2	0.64 J	1.7	2.7	2.3	2.1	2.5	
Bromoform	ug/L	NS	4.4	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	5.5 J
Carbon tetrachloride	ug/L	0.5	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	ug/L	20	100	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Chlorobromomethane	ug/L	NS	NS	< 5.0	< 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	ug/L	80	400	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	ug/L	0.6	6	< 5.0	< 5.0	< 5.0	2.1 J	< 5.0	1.8 J	1.6 J	1.6 J	2.5 J	2.1 J	1.9 J	2.4 J	
cis-1,2-Dichloroethene	ug/L	7	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	ug/L	NS	NS	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1
Dibromochloromethane	ug/L	6	60	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7	3.4 J	4.1 J	4.9 J	4.5 J	4.4 J	4.8 J	
Dibromomethane	ug/L	NS	NS	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
Dichlorodifluoromethane (Freon 12)	ug/L	200	1000	< 5.0	< 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	ug/L	140	700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylene dibromide	ug/L	0.005	0.05	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
Hexachlorobutadiene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropyl ether	ug/L	NS	NS	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylenes	ug/L	NS	NS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methyl bromide	ug/L	1	10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl chloride	ug/L	3	30	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3
Methyl tert-butyl ether	ug/L	12	60	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
Methylene chloride	ug/L	0.5	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	ug/L	10	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

TABLE 2c - VAS Groundwater Sampling Results

BRRTS # 02-13-580721  
 SITE NAME: Former Ethylene Dichloride ASTs - 910 Mayer Facility  
 SITE ADDRESS: 910 Mayer Avenue Madison, WI 53704

Parameter	Unit	PAL	ES	Location ID	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	TS-VAS-001	
				Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
				Sample Date	4/17/2019	4/17/2019	4/17/2019	4/17/2019	4/18/2019	4/20/2019	4/20/2019	4/22/2019	4/22/2019	4/22/2019	4/23/2019	
				Depth Range	115-117 ft	125-127 ft	135-137 ft	145-147 ft	155-157 ft	165-167 ft	175-177 ft	188-190 ft	198-200 ft	208-210 ft	218-220 ft	228-230 ft
n-Butylbenzene	ug/L	NS	NS		< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
n-Propylbenzene	ug/L	NS	NS		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene	ug/L	NS	NS		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	ug/L	NS	NS		< 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	ug/L	10	100		< 1.6	< 1.6	0.64 J	< 1.6	1.9	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
tert-Butylbenzene	ug/L	NS	NS		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	ug/L	0.5	5		< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	0.49 J	0.42 J	< 1.1	0.67 J	< 1.1
Toluene	ug/L	160	800		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0.30 J	0.43 J	< 5.0	< 5.0	0.20 J	< 5.0	< 5.0
trans-1,2-Dichloroethene	ug/L	20	100		< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
trans-1,3-Dichloropropene	ug/L	NS	NS		< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6
Trichloroethene	ug/L	0.5	5		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane (Freon 11)	ug/L	698	3490		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	ug/L	0.02	0.2		< 1.0	< 1.0	< 1.0	< 1.0	0.66 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

**Notes:**

Results reported in micrograms per liter (ug/L).

*Italicized* values exceed the Chapter NR140 Preventive Action Limit (PAL)

**Bold** values exceed the Chapter NR140 Enforcement Standard (ES)

NS = No established standard

J = Estimated concentration at or above the limit of detection and below the limit of quantitation.

N = Normal sample

FD = Field duplicate sample

TABLE 2d - Groundwater Sampling Results

BRRTS # 02-13-580723				Location ID	SR-MW-14	SR-MW-15	SR-MW-16A	SR-MW-16B
SITE NAME: Former Spice Room - 910 Mayer Facility				Sample Type	N	N	N	N
SITE ADDRESS: 910 Mayer Avenue Madison, WI 53704				Sample Date	5/9/2019	5/9/2019	5/9/2019	5/9/2019
Parameter	Unit	PAL	ES					
<b>VOCs</b>								
1,1,1,2-Tetrachloroethane	ug/L	7	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	ug/L	40	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	ug/L	0.02	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	ug/L	0.5	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	ug/L	85	850	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	ug/L	0.7	7	< 1.0	< 1.0	< 1.0	< 1.0	0.32 J
1,1-Dichloropropene	ug/L	NS	NS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-Trichloropropane	ug/L	12	60	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	ug/L	14	70	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	ug/L	NS	NS	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-Dibromo-3-chloropropane	ug/L	0.02	0.2	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9
1,2-Dichlorobenzene	ug/L	60	600	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
1,2-Dichloroethane	ug/L	0.5	5	< 1.0	< 1.0	< 1.0	< 1.0	<b>21.2</b>
1,2-Dichloropropane	ug/L	0.5	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	ug/L	NS	NS	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
1,3-Dichlorobenzene	ug/L	120	600	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
1,3-Dichloropropane	ug/L	NS	NS	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,4-Dichlorobenzene	ug/L	15	75	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
2,2-Dichloropropane	ug/L	NS	NS	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6
4-Chlorotoluene	ug/L	NS	NS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
4-Isopropyltoluene	ug/L	NS	NS	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
Benzene	ug/L	0.5	5	< 1.0	< 1.0	< 1.0	< 1.0	1.3
Bromobenzene	ug/L	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	ug/L	NS	0.6	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Bromoform	ug/L	NS	4.4	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2
Carbon tetrachloride	ug/L	0.5	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	ug/L	20	100	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Chlorobromomethane	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	ug/L	80	400	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	ug/L	0.6	6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	ug/L	7	70	22.4	2.3	< 1.0	< 1.0	44.7
cis-1,3-Dichloropropene	ug/L	NS	NS	< 12.1	< 12.1	< 12.1	< 12.1	< 12.1
Dibromochloromethane	ug/L	6	60	< 8.7	< 8.7	< 8.7	< 8.7	< 8.7
Dibromomethane	ug/L	NS	NS	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
Dichlorodifluoromethane (Freon 12)	ug/L	200	1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	ug/L	140	700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylene dibromide	ug/L	0.005	0.05	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
Hexachlorobutadiene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropyl ether	ug/L	NS	NS	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylenes	ug/L	NS	NS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methyl bromide	ug/L	1	10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl chloride	ug/L	3	30	< 7.3	< 7.3	< 7.3	< 7.3	< 7.3
Methyl tert-butyl ether	ug/L	12	60	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
Methylene chloride	ug/L	0.5	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	ug/L	10	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Butylbenzene	ug/L	NS	NS	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
n-Propylbenzene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene	ug/L	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	ug/L	NS	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene	ug/L	10	100	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
tert-Butylbenzene	ug/L	NS	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	ug/L	0.5	5	< 1.1	<b>11.5</b>	< 1.1	< 1.1	< 1.1
Toluene	ug/L	160	800	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	ug/L	20	100	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
trans-1,3-Dichloropropene	ug/L	NS	NS	< 14.6	< 14.6	< 14.6	< 14.6	< 14.6
Trichloroethene	ug/L	0.5	5	< 1.0	<b>1.1</b>	<i>0.95 J</i>	<i>0.66 J</i>	<i>0.66 J</i>
Trichlorofluoromethane (Freon 11)	ug/L	698	3490	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	ug/L	0.02	0.2	<b>51.3</b>	< 1.0	< 1.0	< 1.0	< 1.0

**Notes:**

Results reported in micrograms per liter (ug/L).

*Italicized* values exceed the Chapter NR140 Preventive Action Limit (PAL)**Bold** values exceed the Chapter NR140 Enforcement Standard (ES)

NS = No established standard

J = Estimated concentration at or above the limit of detection and below the limit of quantitation.

N = Normal sample

FD = Field duplicate sample

**TABLE 3 - Subslab Soil Vapor Sampling Results**

<b>BRRTS # 02-13-580723</b>															
<b>SITE NAME:</b> Former Spice Room - 910 Mayer Facility															
<b>SITE ADDRESS:</b> 910 Mayer Avenue Madison, WI 53704															
				<b>Location ID</b>	<b>VP-02</b>	<b>VP-11</b>	<b>VP-12</b>	<b>VP-13</b>	<b>VP-14</b>	<b>VP-15</b>	<b>VP-16</b>	<b>VP-17</b>	<b>VP-18</b>	<b>VP-19</b>	<b>VP-20</b>
				<b>Sample Date</b>	2/12/2019	2/12/2019	2/12/2019	2/12/2019	2/12/2019	2/12/2019	2/12/2019	2/12/2019	2/12/2019	2/12/2019	2/12/2019
				<b>Sample Type</b>	N	N	N	N	N	N	N	N	N	N	N
<b>Parameter</b>	<b>Unit</b>	<b>Residential VRSL</b>	<b>Small Commercial VRSL</b>	<b>Large Commercial/ Industrial VRSL</b>											
Trichloroethene	ug/m3	70	290	880	<u>2680</u>	278	4.1	<u>31800</u>	<u>66800</u>	2.7	6.7	6.6	<u>14600</u>	394	<u>5190</u>

**Notes:**

Results reported in micrograms per cubic meter (ug/m3).

Underlined values exceed the Large Commercial/Industrial Vapor Risk Screening Levels

N = Normal sample

**ATTACHMENT A  
SOIL BORING LOGS AND  
WELL CONSTRUCTION FORMS**



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-01**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/03/2019  
FINISH 04/03/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405560.25  
EASTING 2140589.58  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 854.23 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 6 ft 04/03/2019  
DEPTH TO WATER (FINAL) 3.78 ft 05/02/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
2	[Dark brown organic topsoil / siltloam.]						0.4	
3						60/60	0.2	
4	(CL) [Light gray lean clay with silt. Iron oxide markings.]		CL				0.6	
6						26/36	0.3	
6.5	(SP-SM) [Orange very fine sand with silt and gravel.]		SP-SM				0.3	
8	(SP) [Orange very fine, well sorted sand.]		SP			31/48	0.3	
11	(GP-SP) [Gray fine sand and gravel. Gravel content increases with depth.]		GP-SP			7/48	0.4	
16		16						

REMARKS:

Auger Cuttings      Direct push geoprobe sample

LAB ANALYSIS:

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19





PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-02**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/03/2019  
FINISH 04/03/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405650.84  
EASTING 2140588.27  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 854.16 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) ▽  
DEPTH TO WATER (FINAL) ▽ 3.5 ft 05/02/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
2	[Black organic topsoil / silt loam.]					60/60	0.3	
4	(CL) [Light gray lean clay.]	4	CL				0	
	(SW-SC) [Orange-brown, poorly sorted, medium grained, sand with clay.]	4.5	SW-SC				0.1	
6	(CL) [Orange-gray sandy lean clay.]	5.5	CL			26/36	0.7	
8	(CL) [Light gray lean clay.]	8	CL				0.7	
845								
10	(MLS) [Light gray sandy silt.]	11	MLS			35/48	0.8	
12	(SM) [Light gray, poorly sorted, medium grained, silty sand.]	12	SM					
	(MLS) [Light gray sandy silt.]	12.5	MLS				0.6	
14	(SP) [Gray fine grained sand.]	14	SP			34/48	0.7	
16		16						

REMARKS:

Auger Cuttings      Direct push geoprobe sample

LAB ANALYSIS:

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-03**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/02/2019  
FINISH 04/02/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405741.39  
EASTING 2140736.72  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 855.13 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 3 ft 04/02/2019  
DEPTH TO WATER (FINAL) 3.44 ft 05/02/2019

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
						SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	855	[Asphalt]	0.3						
		(GP-SP) [Black coarse sand with gravel.]	1.5	GP-SP			0		
2		(SP) [Black very fine sand fill. Low density.]					60/60	0.2	
4				SP				0.2	
6	850						12/36	0.2	
8		(CL-ML) [Light gray silty clay. Medium plasticity. Becomes finer grained with depth.]	8					0.2	
10	845			CL-ML			26/48	0.2	
12		(CH) [Light gray fat clay.]	12	CH				0.2	
14		(SW-SM) [Light gray, fine, medium sorted silty sand with gravel.]	13				29/48	0.2	
16	840		16	SW-SM				0.2	

REMARKS:

Auger Cuttings      Direct push geoprobe sample

LAB ANALYSIS:

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-04**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/02/2019  
FINISH 04/02/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405622.97  
EASTING 2140755.43  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 854.74 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 5 ft 04/02/2019  
DEPTH TO WATER (FINAL) 3.74 ft 05/02/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
0.3	[Asphalt]	0.3						
0.5	(GP) [Gravel and clay base fill to asphalt.]	0.5	GP					
2	(SP) [Very fine, light brown quartz sand with gravel and chunks of quartz arenite sandstone. Large sandstone boulder from 3.5' - 4.5']					0.4		
4			SP		60/60	0.4		
850						0.9		
6					4/36	11.1		
8	(CL-ML) [Black to light gray clay with sand and silt. Odor present.]	8				707		
845			CL-ML		12/48	2000		
12	(SP) [Gray fine grained, well sorted, quartz sand. Odor present.]	11.5				114		
14			SP		6/48			
840								
16		16						

REMARKS:

Auger Cuttings      Direct push geoprobe sample

LAB ANALYSIS:

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-05**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/02/2019  
FINISH 04/02/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405624.11  
EASTING 2140841.14  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 855.69 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 4.5 ft 04/02/2019  
DEPTH TO WATER (FINAL) 5.08 ft 05/02/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
855	[Asphalt]	0.3						
2	(SP) [Light brown sand with trace silt, gravel, and cobbels.]		SP			0		
	[Concrete]	2.5				60/60	0.1	
4	(SP) [Light brown sand with trace silt, gravel, and cobbels.]	3.5	SP				0.5	
6	(CL) [Greenish light gray clay with trace silt. Slight solvent odor.]	5.5	CL			17/36	2.1	
8							8.5	
10						18/48	44.7	
12	(SP-SM) [Light gray fine grained sand with silt and pebbles.]	12	SP-SM			34/48	9.2	
14							1.3	
16		16						

REMARKS:

LAB ANALYSIS:

Auger Cuttings

Direct push geoprobe sample

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-06**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/03/2019  
FINISH 04/03/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405488.04  
EASTING 2140754.5  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 854.23 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 6 ft 04/03/2019  
DEPTH TO WATER (FINAL) 4.22 ft 05/01/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	[Asphalt]	0.3						
	(GP-SP) [Gravel and sand base beneath asphalt.]	1	GP-SP			6.9		
2	[Organic soil / clay loam.]							
	(CL) [Gray lean clay. Odor present.]	3			60/60	18		
4			CL			19		
850						24		
6	(SP) [Light brown, very fine, well sorted sand.]	6			24/36	47.9		
8								
845						12		
10			SP		24/48	3.8		
12						0.7		
14					20/48			
840						0.8		
	(SW) [Light brown, coarse, poorly sorted sand.]	15	SW					
	(SP) [Light brown fine, well sorted, sand.]	15.5	SP					
16		16						

REMARKS:

LAB ANALYSIS:

Auger Cuttings

Direct push geoprobe sample

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-07**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/04/2019  
FINISH 04/04/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405443.95  
EASTING 2140844.78  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 854.97 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 5.5 ft 04/04/2019  
DEPTH TO WATER (FINAL) 4.16 ft 05/01/2019

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
						SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		[Asphalt]	0.3						
		(GP) [Gravel base to asphalt]	1	GP				0.5	
2		(CL) [Light brown lean clay with gravel.]	2.5	CL			30/60	0.5	
		[Concrete with intermixed gray clay.]	4						
	850	(GP-SP) [Light brown, well sorted, fine sand with gravel.]	5	GP-SP				1.3	
6		(CL) [Light gray clay. Grades coarse with depth.]	6				10/36	0.5	
8				CL				0.5	
10	845						27/48	0.4	
		(SP) [Gray well sorted sand with gravel.]	11.5	SP					
12		(GW-SW) [Poorly sorted sand with gravel.]	12	GW-SW					
		(MLS) [Light gray silt with a high sand and gravel component.]	12.5					0.4	
14				MLS			23/48	0.5	
	840								
16			16						

REMARKS:

LAB ANALYSIS:

Auger Cuttings

Direct push geoprobe sample

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-08**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/04/2019  
FINISH 04/04/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405398.53  
EASTING 2140768.62  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 854.02 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 5 ft 04/04/2019  
DEPTH TO WATER (FINAL) 3.33 ft 05/02/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLE TYPE	SAMPLING DATA		
						RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	[Asphalt]	0.3						
	[Brown topsoil / clay loam.]						0.1	
2	(GC) [Black lean clay with gravel.]	2	GC			60/60	0	
	(CL) [Black lean clay with a green tint.]	3.5	CL				0	
4 850	(CL) [Green lean clay with trace silt.]	5	CL				0	
6	(ML) [Green-gray silt with clay and trace sand and gravel.]	7.5	ML			23/36	0.3	
8	(SW-SM) [Gray fine sand with silt and gravel]	9	SW-SM			24/48	0.2	
10	(GW-SW) [Gravel with silty sand.]	11.5	GW-SW				0.2	
12	(MLS) [Sandy silt with gravel.]	12	MLS					
14 840						0/48		
16		16						

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

REMARKS:

LAB ANALYSIS:

 Auger Cuttings
  Direct push geoprobe sample



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-09**

ERM PROJECT # 0441161

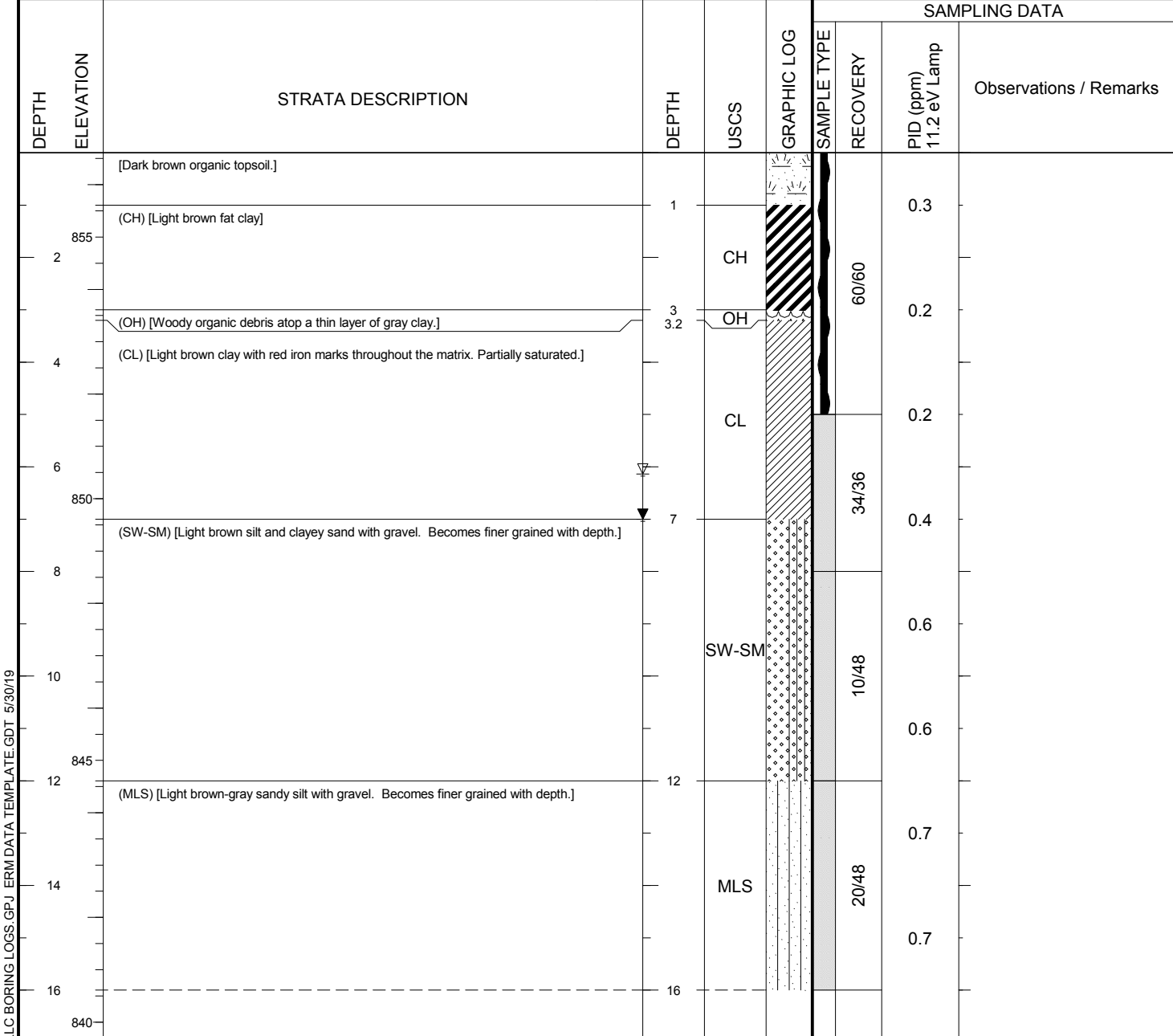
SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/02/2019  
FINISH 04/02/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404936.46  
EASTING 2140593.04  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 856.61 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 7 ft 04/02/2019  
DEPTH TO WATER (FINAL) 6.14 ft 05/01/2019



BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

REMARKS:

LAB ANALYSIS:

Auger Cuttings      Direct push geoprobe sample





PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-10**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/03/2019  
FINISH 04/03/2019



HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405026.55  
EASTING 2140718.96  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 854.67 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 7 ft 04/03/2019  
DEPTH TO WATER (FINAL) 4.64 ft 05/01/2019

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	[Asphalt]	0.3						
	(GP-SP) [Gravel and sand base beneath asphalt.]	1	GP-SP			1		
2	[Organic soil / clay loam]	2						
	(ML) [Black silt with gravel and clay. Odor present.]	2	ML		60/60	0.3		
4								
850								
	(CL-ML) [Dark gray lean clay with silt.]	5	CL-ML			0		
6								
	(MLS) [Gray sandy silt. Sand content increases with depth.]	7	MLS		14/36	0.7		
8								
845								
10	(SP-SM) [Light brown, fine, well sorted, silty sand.]	10	SP-SM		24/48	0.7		
12								
	(MLS) [Light gray sandy silt with gravel.]	12	MLS			0.7		
14								
840								
16						0.6		

REMARKS:

 Auger Cuttings     
  Direct push geoprobe sample

LAB ANALYSIS:



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-11**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/03/2019  
FINISH 04/03/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404928.08  
EASTING 2140729.02  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 855.83 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL)  $\nabla$   
DEPTH TO WATER (FINAL)  $\nabla$  5.83 ft 05/01/2019

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
						SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		[Asphalt]	0.3						
	855	(GP-SP) [Gravel and sand base to asphalt.]	1	GP-SP					
2		(SC) [Light brown sand loam (sand and clay dominant) with gravel.]		SC		60/60			
		(CL) [Light brown lean clay with trace sand and gravel.]	3	CL				0.3	
4				CL				1.4	
		(CL) [Dark gray lean clay with silt. Possibly impacted.]	5	CL				1.6	
6	850			CL		12/36		4.5	
8		(MLS) [Light gray silt with fine sand and clay.]	8	MLS					
		(SP) [Black-green fine grained sand.]	9	SP				1	
10		(MLS) [Light gray silt with fine grained sand, clay and gravel.]	9.3			30/48			
	845			MLS				0.8	
12				MLS				1.3	
14				MLS		37/48		1.4	
16	840		16						

REMARKS:

Auger Cuttings      Direct push geoprobe sample

LAB ANALYSIS:

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-12**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/02/2019  
FINISH 04/02/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404925.97  
EASTING 2140835.21  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 856.81 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 6 ft 04/02/2019  
DEPTH TO WATER (FINAL) 7.09 ft 05/01/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
	[Asphalt]	0.3						
2 855	(CL) [Light brown lean sandy clay]	2.8	CL			60/60	0.5	
4	(SP) [Light brown, well sorted, fine grained sand]						0.4	
6 850			SP			24/36	0.3	
8							0.5	
10	(SP-SM) [Light brown silty sand with gravel. Becomes finer with depth.]	9	SP-SM			36/48	0.5	
12 845	(MLS) [Grayish light brown sandy silt with gravel. Becomes finer with depth.]	12	MLS			39/48	0.5	
14							0.6	
16 840		16						

REMARKS:

Auger Cuttings      Direct push geoprobe sample

LAB ANALYSIS:

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **FS-MW-13**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/03/2019  
FINISH 04/03/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404865.51  
EASTING 2140710.1  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 856.2 ft

BOREHOLE DEPTH 16 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 7.5 ft 04/03/2019  
DEPTH TO WATER (FINAL) 6.4 ft 05/01/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	[Asphalt]	0.3						
855	(GP-SP) [Gravel and sand fill beneath asphalt.]		GP-SP			0.3		
2	[Asphalt]	1.5						
	(SC) [Brown and gray poorly sand loam. Primarily sand and clay.]	3				60/60	0.3	
4			SC				0.1	
6						26/36	0.4	
850		7.5						
8	(MLS) [Gray silt with sand and clay. Trace gravel. Sand content increases with depth.]					25/48	0.4	
10			MLS				0.4	
845						44/48	0.4	
12							0.4	
14							0.4	
16		16						

REMARKS:

LAB ANALYSIS:

Auger Cuttings      Direct push geoprobe sample

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **SB-70**  
ERM PROJECT # 0441161  
SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Hand Auger  
DRILLING EQUIPMENT Core Drill and Hand Auger

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/08/2019  
FINISH 04/08/2019

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 6 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) ▾  
DEPTH TO WATER (FINAL) ▾

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp
	[Concrete]						
	(GP-SP) [Brown, very fine, well sorted sand with gravel.]	0.5					
2						0	
						0.2	
			GP-SP		72/72	1.2	
4						0	
						0	
6		6					

REMARKS:

Auger Cuttings

LAB ANALYSIS:

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **SB-71**  
ERM PROJECT # 0441161  
SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Hand Auger  
DRILLING EQUIPMENT Core Drill and Hand Auger

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/08/2019  
FINISH 04/08/2019

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 2 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) ▾  
DEPTH TO WATER (FINAL) ▾

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp
1	[Concrete]						
	(GP-SP) [Brown, very fine, well sorted sand with gravel.]	0.6	GP-SP		24/24	0	
2	[Concrete]	2					

REMARKS:

LAB ANALYSIS:

Auger Cuttings



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **SR-MW-14**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/08/2019  
FINISH 04/08/2019



HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405821.38  
EASTING 2140170.43  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 853.07 ft

BOREHOLE DEPTH 20 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 4 ft 04/08/2019  
DEPTH TO WATER (FINAL) 2.7 ft 05/02/2019

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	[Concrete]							
	(GW) [Thick gravel and cobbel fill for concrete.]	1						
850						60/60		
5			GW			0/36		
845						14/48		
10							0.6	
	(SP-SM) [Light gray, fine sand with silt and gravel.]	11	SP-SM					
	(SP) [Light brown fine sand.]	12	SP			48/48	0.3	
840								
15	(MLS) [Light gray silt with clay and sand. Grades finer with depth.]	15	MLS				0.3	
	(CL-ML) [Light gray lean clay with silt and sand.]	18	CL-ML			48/48	0.1	
835								
20		20					0	

REMARKS:

 Auger Cuttings       Direct push geoprobe sample

LAB ANALYSIS:



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **SR-MW-15**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/08/2019  
FINISH 04/08/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405825.81  
EASTING 2139956.3  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 855.83 ft

BOREHOLE DEPTH 20 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 7 ft 04/08/2019  
DEPTH TO WATER (FINAL) 4.55 ft 05/02/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
855	[Dark brown topsoil / clay loam.]						0	
	(SP-SC) [Light brown sand loam]	1.5	SP-SC		48/60		0.2	
	(CL) [Light gray lean clay. 4 - 5' is colored black.]	4	CL				0	
850	(SC) [Light brown lean clay with sand.]	7.5	SC		19/36		0	
	(SP) [Light brown, well sorted, fine sand.]	7.75					0.4	
10					30/48		0.4	
845							0.3	
					42/48		0.3	
15							0.4	
840					48/48		0.1	
20	(SP-SM) [Light gray fine sand with silt.]	19.5	SP-SM					
835		20						

REMARKS:

LAB ANALYSIS:

Auger Cuttings      Direct push geoprobe sample

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19





PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **SR-MW-16A**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Hollow-Stem Augers  
DRILLING EQUIPMENT Geoprobe 6600

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/05/2019  
FINISH 04/05/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405735.01  
EASTING 2140025.68  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 853.88 ft

BOREHOLE DEPTH 19 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL)  $\nabla$   
DEPTH TO WATER (FINAL)  $\nabla$  3.36 ft 05/02/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp
	[Brown topsoil / clay loam]						
5	(CL) [Brown to gray lean clay with iron oxide streaks.]	4	CL				
	(SP-SM) [Brown, fine grained, well sorted, sand with silt.]	6	SP-SM				
10	(MLS) [Brown silt with sand and organic debris.]	8.5	MLS				
15	(SP) [Light brown, very fine sand.]	12	SP				
20	(SW) [Orange-brown, fine grained, poorly sorted sand.]	19	SW				
	(SP) [Light brown, fine, well sorted, sand.]	19.5	SP				
		20					

REMARKS:  
SR-MW-16A is in a nested well cluster with SR-MW-16B. SR-MW-16A was blind drilled, so the geologic Description was taken from SR-MW-16B.

LAB ANALYSIS:

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **SR-MW-16B**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/05/2019  
FINISH 04/05/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405732.27  
EASTING 2140025.68  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 853.72 ft

BOREHOLE DEPTH 52 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 6 ft 04/05/2019  
DEPTH TO WATER (FINAL) 2.96 ft 05/02/2019

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
	[Brown topsoil / clay loam]						0	
850		4				60/60	0	
5	(CL) [Brown to gray lean clay with iron oxide streaks.]	6	CL			22/36	0.1	
	(SP-SM) [Brown, fine grained, well sorted, sand with silt.]		SP-SM				0.2	
		8.5					0.5	
845	(MLS) [Brown silt with sand and organic debris.]		MLS			36/48	0.7	
10							0.7	
	(SP) [Light brown, very fine sand.]	12	SP			36/48	0.5	
840							0.5	
15							0.3	
	(SW) [Orange-brown, fine grained, poorly sorted sand.]	19	SW			36/48	0.4	
835		19.5	SP				0.3	
20	(SP) [Light brown, fine, well sorted, sand.]	22	SP			48/48	0.4	
							0.4	
830	(SM) [Light brown silty sand with trace gravel.]		SM			48/48	0.8	
25							1.1	
							0.8	
825						7/48	0.8	
30							0.6	
							0.6	
820						10/48	0.6	
35							0.6	
							0.6	
815						10/48	0.4	
40							0.2	
							0.6	
810	(SP) [Light brown, well sorted, fine grained sand.]	44	SP			48/48	0.6	
45							0.8	
		47.5				42/48	0.8	
805	(SM) [Light brown silty sand with trace gravel.]		SM			42/48	0.5	
50							0.5	
		52						

REMARKS:

LAB ANALYSIS:

 Auger Cuttings       Direct push geoprobe sample



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-17A**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/15/2019  
FINISH 04/25/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404371.75  
EASTING 2140322.55  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 852.74 ft

BOREHOLE DEPTH 14 ft  
BOREHOLE DIAMETER 4 in  
DEPTH TO WATER (INITIAL)  $\nabla$   
DEPTH TO WATER (FINAL)  $\nabla$  2.59 ft 05/02/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp
0 - 1.5	[Black Topsoil / clay loam]						
1.5 - 5	(SP-SC) [Brown sandloam]	1.5	SP-SC				
5 - 7	[Black organic rich soil. Has solvent odor.]	5					
7 - 14	(MH) [Light gray silt with clay. Clay content increases with depth.]	7	MH				
14		14					

REMARKS:  
TS-MW-17A is in a nested well cluster with TW-MW-17B and TW-MW-17C. TS-MW-17A was blind drilled, so the geologic Description was taken from TS-MW-17C.

LAB ANALYSIS:

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-17B**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/14/2019  
FINISH 04/25/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404371.69  
EASTING 2140328.08  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 852.98 ft

BOREHOLE DEPTH 99 ft  
BOREHOLE DIAMETER 4 in  
DEPTH TO WATER (INITIAL)  $\nabla$   
DEPTH TO WATER (FINAL)  $\nabla$  3.21 ft 05/02/2019

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp
850	[Black Topsoil / clay loam]	1.5					
5	(SP-SC) [Brown sandloam]	5	SP-SC				
845	[Black organic rich soil. Has solvent odor.]	7					
10	(MH) [Light gray silt with clay. Clay content increases with depth.]		MH				
840	(SP) [Light brown well sorted fine sand. Large gravel at 19' - 20'.]	15					
835			SP				
830							
25	(CL-ML) [Light gray silty lean clay.]	24					
825		25	CL-ML				
30	(SP-SM) [Light gray, well sorted, fine sand with silt and trace gravel.]						
820			SP-SM				
815							
40							
810	(SP-SM) [Light gray, very fine sand with silt. Undulates between between very fine sand with silt and fine sand.]	43.5					
805							
50							
800							
55							
795							
60							
790							
65							
785							
70							
780							
75	(MH) [Gray silt with clay and fine sand.]	75					
775		77	MH				
80	(SM) [Light gray, very fine sand with silt. Undulates between between very fine sand with silt and sandy silt.]						
770							
85							
765							
90							
760							
95							
755		99	SM				

REMARKS:  
TS-MW-17B is in a nested well cluster with TW-MW-17A and TW-MW-17C. TS-MW-17B was blind drilled, so the geologic Description was taken from TS-MW-17C.

LAB ANALYSIS:



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-17C**

ERM PROJECT # 0441161

SHEET 1 OF 4

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/15/2019  
FINISH 04/25/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404372.25  
EASTING 2140333.9  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 853.06 ft

BOREHOLE DEPTH 255 ft  
BOREHOLE DIAMETER 4 in  
DEPTH TO WATER (INITIAL)  $\nabla$   
DEPTH TO WATER (FINAL)  $\nabla$  12.67 ft 05/02/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLE TYPE	SAMPLING DATA		
						RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
850	[Black Topsoil / clay loam]	1.5						
5	(SP-SC) [Brown sandloam]	5	SP-SC		60/60	0	Soil: 94.6 ug/L [(2.5-3.5ft)]	
845	[Black organic rich soil. Has solvent odor.]	7			60/60	50.1		
10	(MH) [Light gray silt with clay. Clay content increases with depth.]		MH		60/60	479		
840					60/60	433		
15	(SP) [Light brown well sorted fine sand. Large gravel at 19' - 20'.]	15			60/60	314		
835					60/60	279		
20			SP		60/60	47.1	VAS: 64400 ug/L [(15-17ft)]	
830					60/60	35.1		
25	(CL-ML) [Light gray silty lean clay.]	24	CL-ML		60/60	3.6		
825		25			60/60	1		
30	(SP-SM) [Light gray, well sorted, fine sand with silt and trace gravel.]				60/60	0.4	VAS: 21700 ug/L [(25-27ft)]	
820					60/60	0.8		
35			SP-SM		60/60	0.2		
815					60/60	0.2		
40					60/60	0.1		
810					60/60	0.1		
45	(SP-SM) [Light gray, very fine sand with silt. Undulates between between very fine sand with silt and fine sand.]	43.5			60/60	0.1	VAS: 8.7 ug/L [(35-37ft)]	
805					60/60	0.1		
50					60/60	0.1		
800					60/60	0.1		
55					60/60	0.1	VAS: 14.6 ug/L [(45-47ft)]	
795					60/60	0		
60			SP-SM		60/60	0	VAS: 0.94 ug/L [(55-57ft)]	
790					60/60	0		
65					60/60	0		
785					60/60	0	VAS: 0.64 ug/L [(65-67ft)]	
70					36/60	0		
780					0/60	0		
75		75				0		
775	(MH) [Gray silt with clay and fine sand.]	77	MH		60/60	0	VAS: 10.9 ug/L [(75-77ft)]	
			SM		60/60	0		

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

REMARKS:  
VAS and soil lab analysis is for dichloroethane (ethylene dichloride).

LAB ANALYSIS:

Grab Sample

Auger Cuttings



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-17C**

ERM PROJECT # 0441161

SHEET 2 OF 4

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/15/2019  
FINISH 04/25/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404372.25  
EASTING 2140333.9  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 853.06 ft

BOREHOLE DEPTH 255 ft  
BOREHOLE DIAMETER 4 in  
DEPTH TO WATER (INITIAL)  $\nabla$   
DEPTH TO WATER (FINAL)  $\nabla$  12.67 ft 05/02/2019

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
770	(SM) [Light gray, very fine sand with silt. Undulates between between very fine sand with silt and sandy silt.](Continued)							
85								
765								VAS: 40.6 ug/L [(85-87ft)]
90								
760								
95			SM					VAS: 2220 ug/L [(95-97ft)]
755								
100								
750								
105								VAS: 54.1 ug/L [(105-107ft)]
745								
110	(MLS) [Light gray sandy silt with clay. Grain size gradually becomes finer with depth.]	109	MLS					
740								
115	(MH) [Light gray silt with clay. Medium plasticity. Becomes finer grained with depth.]	115						VAS: 18.6 ug/L [(115-117ft)]
735								
120								
730								
125								VAS: 156 ug/L [(125-127ft)]
725			MH					
130								
720								
135								VAS: 3.5 ug/L [(135-137ft)]
715								
140								
710	(CL-ML) [Light gray silty clay. Medium plasticity. Becomes finer grained with depth.]	141						VAS: 33.6 ug/L [(145-147ft)]
145								
705								
150								
700			CL-ML					
155								
695	(CH) [Light gray fat clay.]	158	CH					VAS: 705 ug/L [(155-157ft)]

REMARKS:  
VAS and soil lab analysis is for dichloroethane (ethylene dichloride).

LAB ANALYSIS:

Grab Sample

Auger Cuttings



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-17C**

ERM PROJECT # 0441161

SHEET 3 OF 4

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/15/2019  
FINISH 04/25/2019

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404372.25  
EASTING 2140333.9  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 853.06 ft

BOREHOLE DEPTH 255 ft  
BOREHOLE DIAMETER 4 in  
DEPTH TO WATER (INITIAL)  $\nabla$   
DEPTH TO WATER (FINAL)  $\nabla$  12.67 ft 05/02/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
690	(CH) [Light gray fat clay.](Continued)							
165					60/60	0		VAS: 211 ug/L [(165-167ft)]
685					60/60	0		
170					60/60	0		
680					60/60	0		
175					60/60	0		VAS: 93.8 ug/L [(175-177ft)]
675					60/60	0		
180					60/60	0		
670					60/60	0		
185					60/60	0		
665					60/60	0		VAS: 5.1 ug/L [(188-190ft)]
190					60/60	0		
660					60/60	0		
195					60/60	0		
655					60/60	0		VAS: < 0.28 ug/L [(198-200ft)]
200					60/60	0		
650					60/60	0		
205					60/60	0		
645					60/60	0		VAS: < 0.28 ug/L [(208-210ft)]
210					60/60	0		
640					60/60	0		
215					60/60	0		
635					60/60	0		VAS: < 0.28 ug/L [(218-220ft)]
220					60/60	0		
630					60/60	0		
225					60/60	0		
625					60/60	0		VAS: < 0.28 ug/L [(228-230ft)]
230					60/60	0		
620					60/60	0		
235	(SP) [White, fine grained, well sorted sand. Highly weathered sand from bedrock.]	233	SP		36/60	0		
615	(SP-SC) [Brown sand with clay and silt.]	238 239.5	SP-SC		60/60	0		

BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

REMARKS:  
VAS and soil lab analysis is for dichloroethane (ethylene dichloride).

LAB ANALYSIS:

Grab Sample

Auger Cuttings



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-17C**

ERM PROJECT # 0441161

SHEET 4 OF 4

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/15/2019  
FINISH 04/25/2019

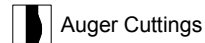
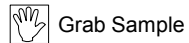
HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404372.25  
EASTING 2140333.9  
VERTICAL DATUM (NAVD 88 (US Feet)) ELEVATION 853.06 ft

BOREHOLE DEPTH 255 ft  
BOREHOLE DIAMETER 4 in  
DEPTH TO WATER (INITIAL)  $\nabla$   
DEPTH TO WATER (FINAL)  $\nabla$  12.67 ft 05/02/2019

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
610	(SP) [White, fine grained, well sorted sand. Highly weathered sand from bedrock.](Continued)		SP		60/60	0.1		
245		244.75			60/60	0		
605	[Yellow quartz arenite sandstone. Fine grained, well sorted, well rounded, highly weathered.]	245.5			60/60	0		
250			SP		60/60	0		
600	(SP) [White, fine grained, well sorted sand. Highly weathered sand from bedrock with streaks of red and yellow throughout.]				60/60	0.7		
255		255						
595								
260								
590								
265								
585								
270								
580								
275								
575								
280								
570								
285								
565								
290								
560								
295								
555								
300								
550								
305								
545								
310								
540								
315								
535								

REMARKS:  
VAS and soil lab analysis is for dichloroethane (ethylene dichloride).

LAB ANALYSIS:



BORING LOG 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19





PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **SR-MW-16A**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Hollow-Stem Augers  
DRILLING EQUIPMENT Geoprobe 6600

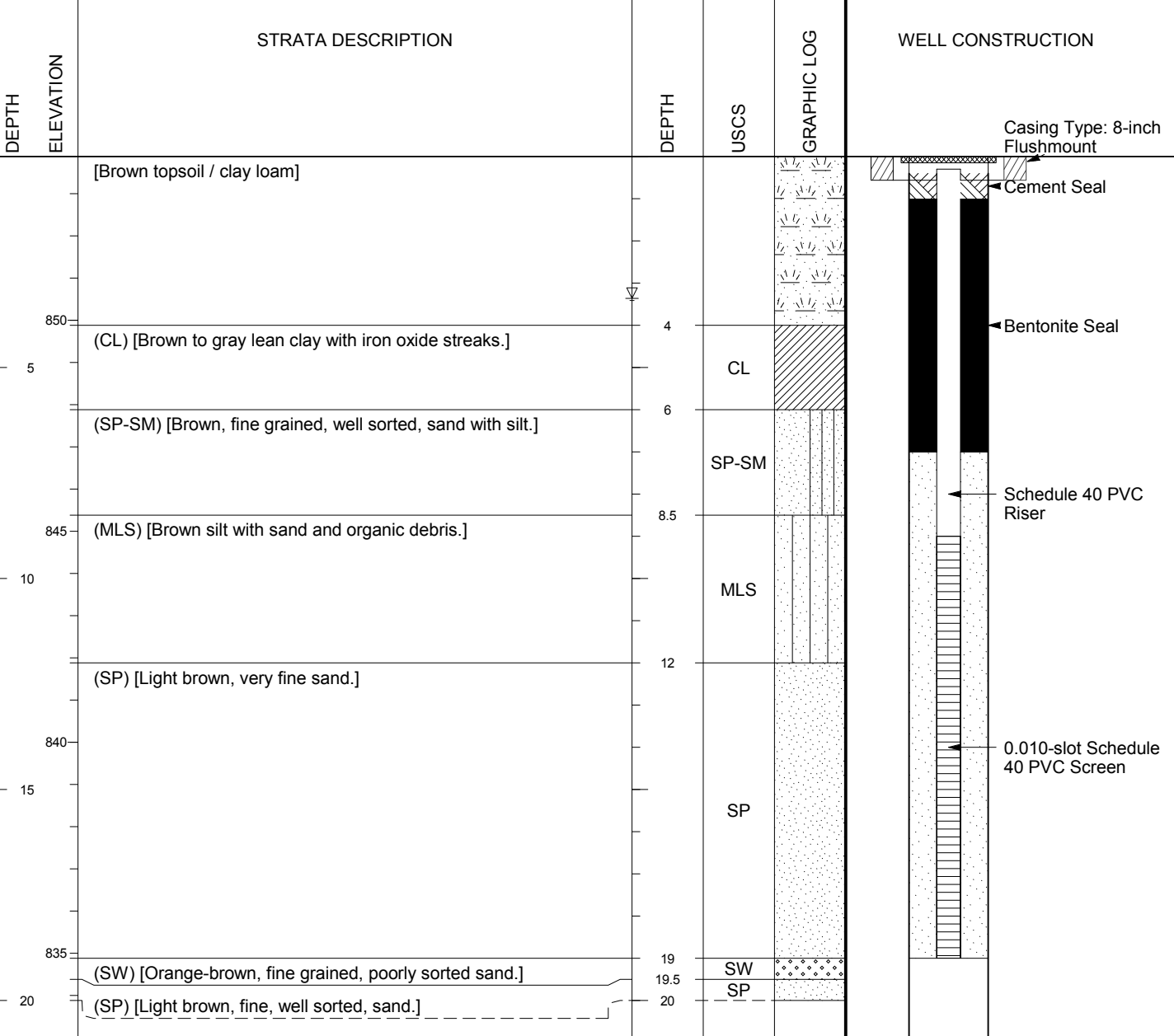
ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/05/2019  
FINISH 04/05/2019

GEOGRAPHIC COORDINATES  
(NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405735.01  
EASTING 2140025.68  
ELEVATION 853.88 ft

WELL CONSTRUCTION  
Riser: Material: Schedule 40 PVC, Diameter (ID): 2-inch, Coupling: Threaded  
Screen: Schedule 40 PVC, 0.010-slot 2-inch Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Surge and Pump - mechanical  
Duration: 1.25 hours  
Gals. Purged: 90

WELL CONSTRUCTION: 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



REMARKS:  
SR-MW-16A is in a nested well cluster with SR-MW-16B. SR-MW-16A was blind drilled, so the geologic Description was taken from SR-MW-16B.

WELL INSTALLATION NOTES:



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **SR-MW-16B**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Geoserve Inc.  
Woodstock, IL  
DRILLING FOREMAN Matt Palsgrove  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

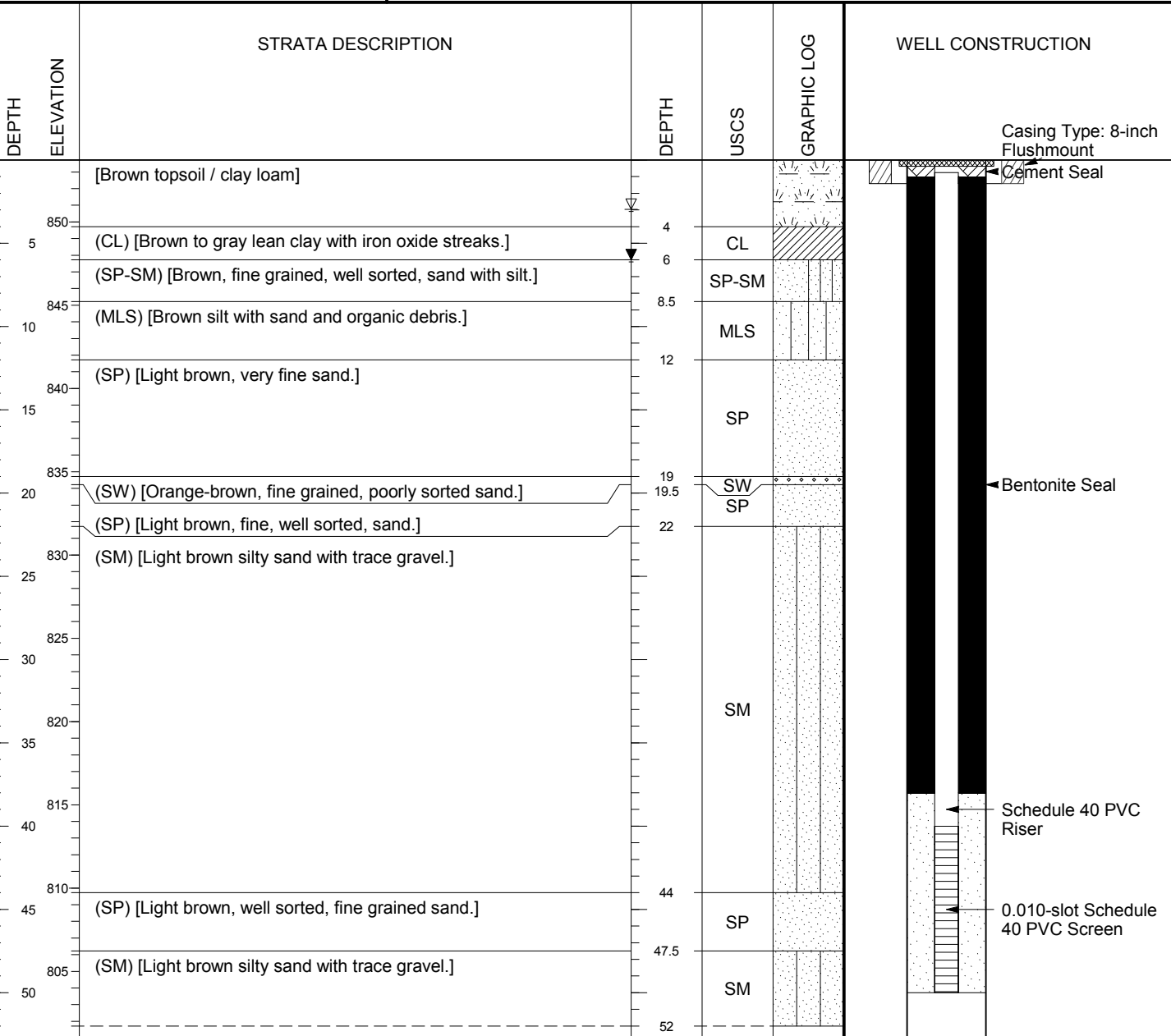
ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/05/2019  
FINISH 04/05/2019

GEOGRAPHIC COORDINATES  
(NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 405732.27  
EASTING 2140025.68  
ELEVATION 853.72 ft

WELL CONSTRUCTION  
Riser Screen  
Material: Schedule 40 PVC Schedule 40 PVC, 0.010-slot  
Diameter (ID): 2-inch 2-inch  
Coupling: Threaded Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Surge and Pump - mechanical  
Duration: 2.25 hours  
Gals. Purged: 120

WELL CONSTRUCTION: 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



REMARKS:

WELL INSTALLATION NOTES:



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-17A**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

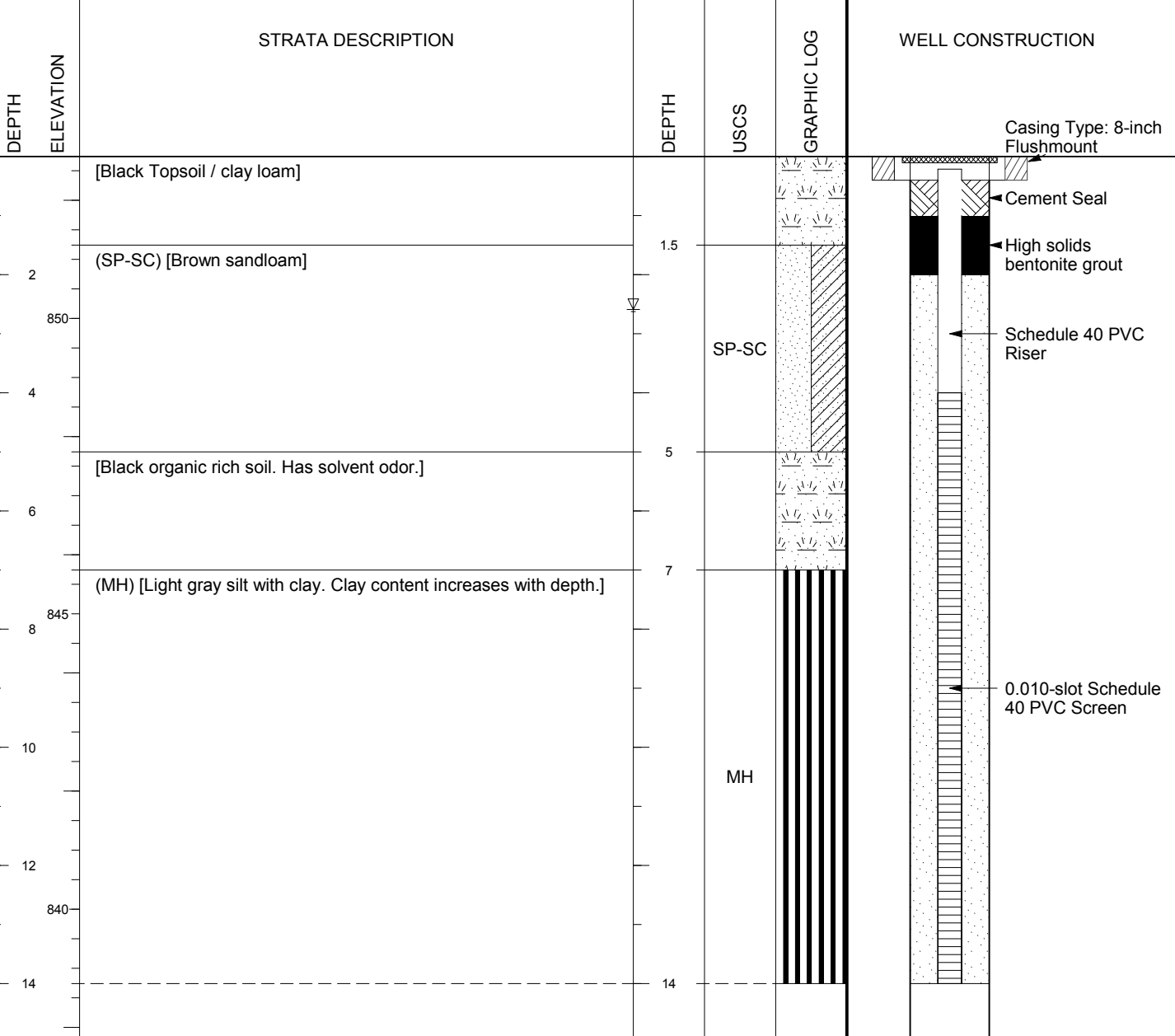
ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/15/2019  
FINISH 04/25/2019

GEOGRAPHIC COORDINATES  
(NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404371.75  
EASTING 2140322.55  
ELEVATION 852.74 ft

WELL CONSTRUCTION  
Riser Screen  
Material: Schedule 40 PVC Schedule 40 PVC, 0.010-slot  
Diameter (ID): 2-inch 2-inch  
Coupling: Threaded Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Surge and Pump - mechanical  
Duration: 1.75 hours  
Gals. Purged: 75

WELL CONSTRUCTION: 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



REMARKS:  
TS-MW-17A is in a nested well cluster with TW-MW-17B and TW-MW-17C. TS-MW-17A was blind drilled, so the geologic Description was taken from TS-MW-17C.

WELL INSTALLATION NOTES:



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-17B**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

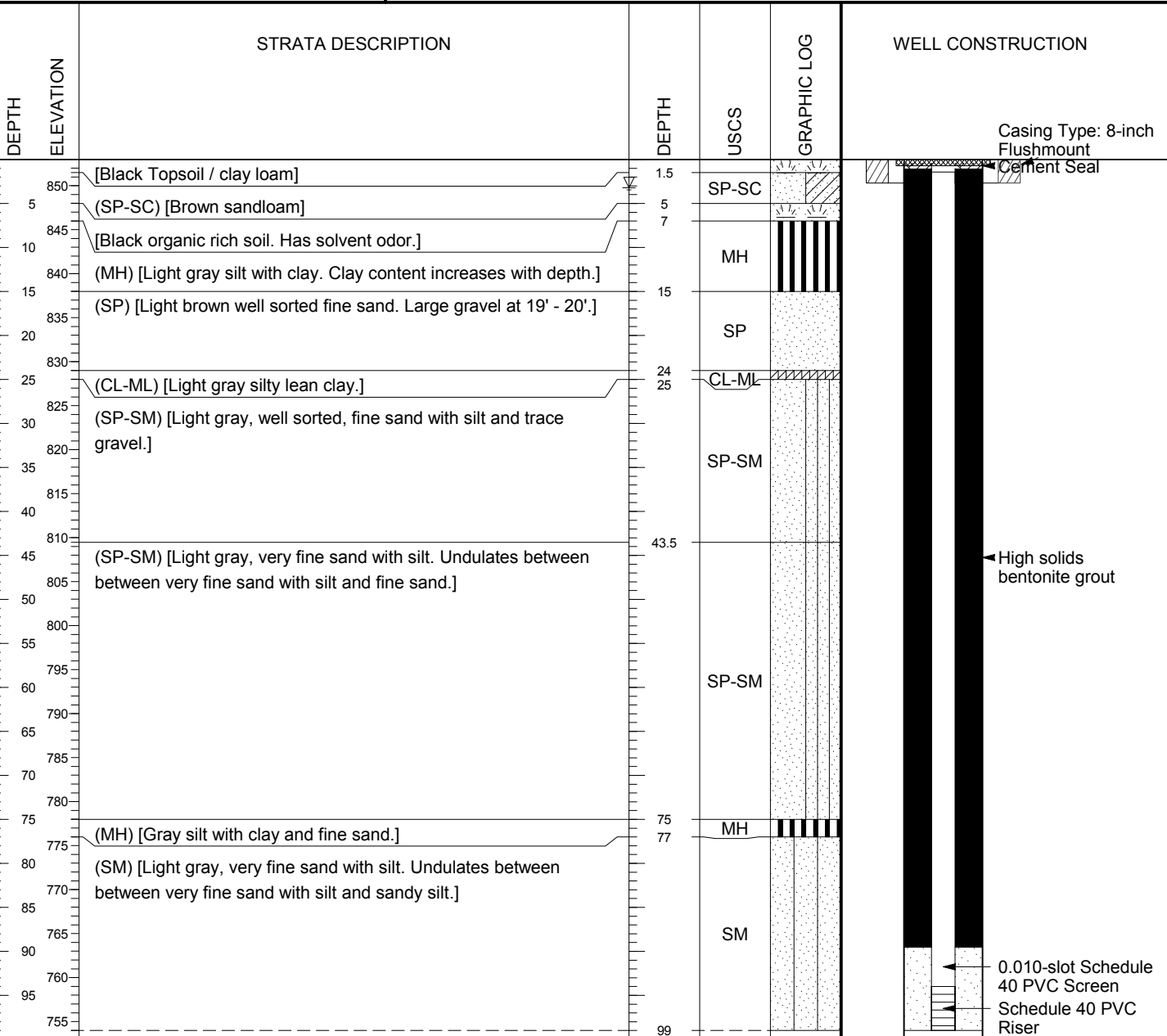
ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/14/2019  
FINISH 04/25/2019

GEOGRAPHIC COORDINATES  
(NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404371.69  
EASTING 2140328.08  
ELEVATION 852.98 ft

WELL CONSTRUCTION  
Riser Schedule 40 PVC 2-inch Threaded  
Screen Schedule 40 PVC, 0.010-slot 2-inch Threaded  
Material: Schedule 40 PVC  
Diameter (ID): 2-inch  
Coupling: Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Surge and Pump - mechanical  
Duration: 1.25 hours  
Gals. Purged: 150

WELL CONSTRUCTION: 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



REMARKS:  
TS-MW-17B is in a nested well cluster with TW-MW-17A and TW-MW-17C. TS-MW-17B was blind drilled, so the geologic Description was taken from TS-MW-17C.

WELL INSTALLATION NOTES:



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-17C**

ERM PROJECT # 0441161

SHEET 1 OF 4

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

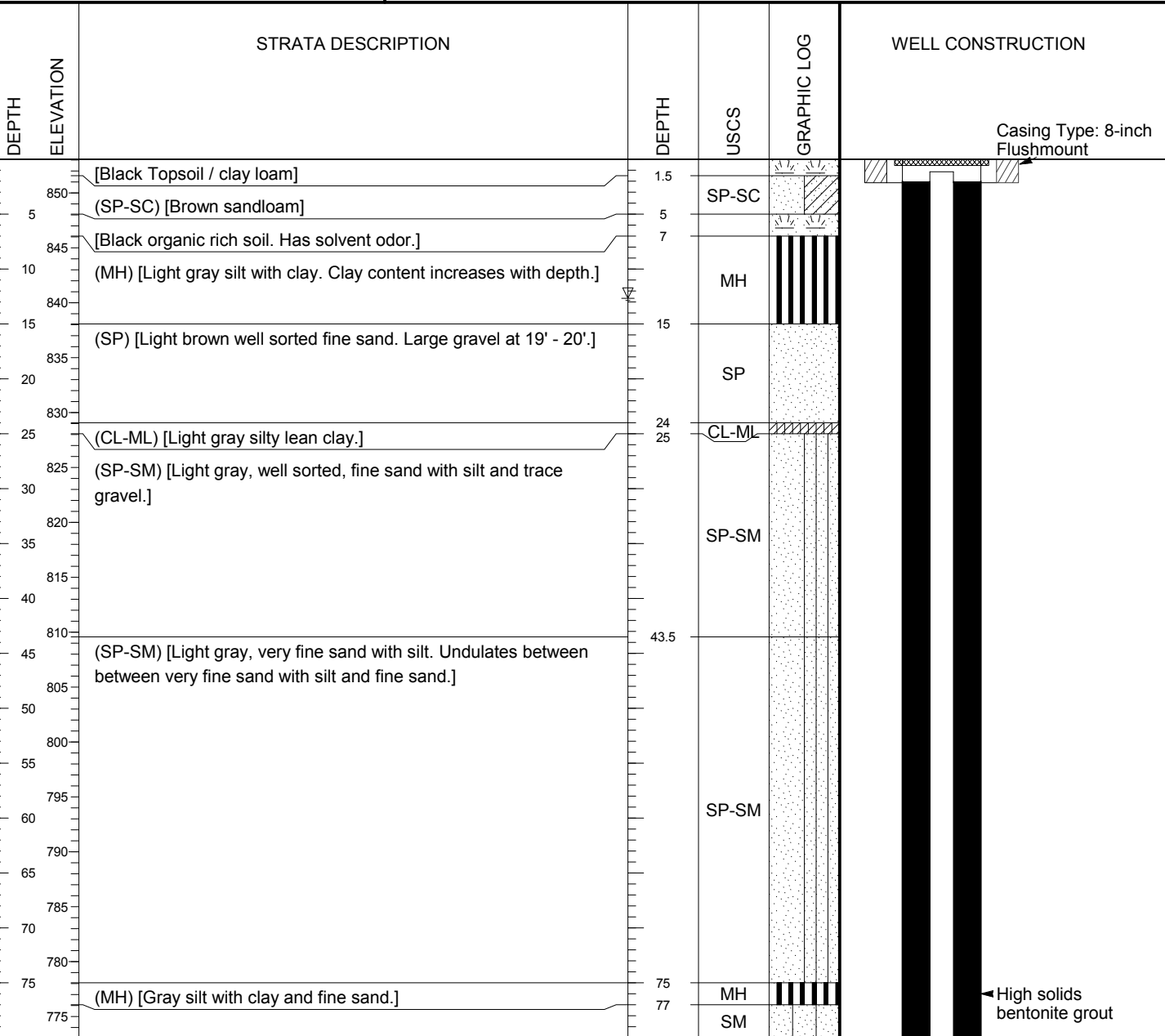
ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/15/2019  
FINISH 04/25/2019

GEOGRAPHIC COORDINATES  
(NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404372.25  
EASTING 2140333.9  
ELEVATION 853.06 ft

WELL CONSTRUCTION  
Riser Screen  
Material: Schedule 80 PVC Schedule 80 PVC, 0.010-slot  
Diameter (ID): 2-inch 2-inch  
Coupling: Threaded Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Surge and Pump - mechanical  
Duration: 2.25 hours  
Gals. Purged: 300

WELL CONSTRUCTION: 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19



REMARKS:  
VAS and soil lab analysis is for dichloroethane (ethylene dichloride).

WELL INSTALLATION NOTES:



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-17C**

ERM PROJECT # 0441161

SHEET 2 OF 4

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/15/2019  
FINISH 04/25/2019

GEOGRAPHIC COORDINATES  
(NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404372.25  
EASTING 2140333.9  
ELEVATION 853.06 ft

WELL CONSTRUCTION  
Riser Screen  
Material: Schedule 80 PVC Schedule 80 PVC, 0.010-slot  
Diameter (ID): 2-inch 2-inch  
Coupling: Threaded Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Surge and Pump - mechanical  
Duration: 2.25 hours  
Gals. Purged: 300

WELL CONSTRUCTION: 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	WELL CONSTRUCTION
770	(SM) [Light gray, very fine sand with silt. Undulates between very fine sand with silt and sandy silt.](Continued)				
85					
765					
90					
760					
95					
755					
100					
750					
105					
745					
110	(MLS) [Light gray sandy silt with clay. Grain size gradually becomes finer with depth.]	109	MLS		
740					
115	(MH) [Light gray silt with clay. Medium plasticity. Becomes finer grained with depth.]	115	MH		
735					
120					
730					
125					
725					
130					
720					
135					
715					
140					
710	(CL-ML) [Light gray silty clay. Medium plasticity. Becomes finer grained with depth.]	141	CL-ML		
145					
705					
150					
700					
155					
695	(CH) [Light gray fat clay.]	158	CH		

REMARKS:  
VAS and soil lab analysis is for dichloroethane (ethylene dichloride).

WELL INSTALLATION NOTES:



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

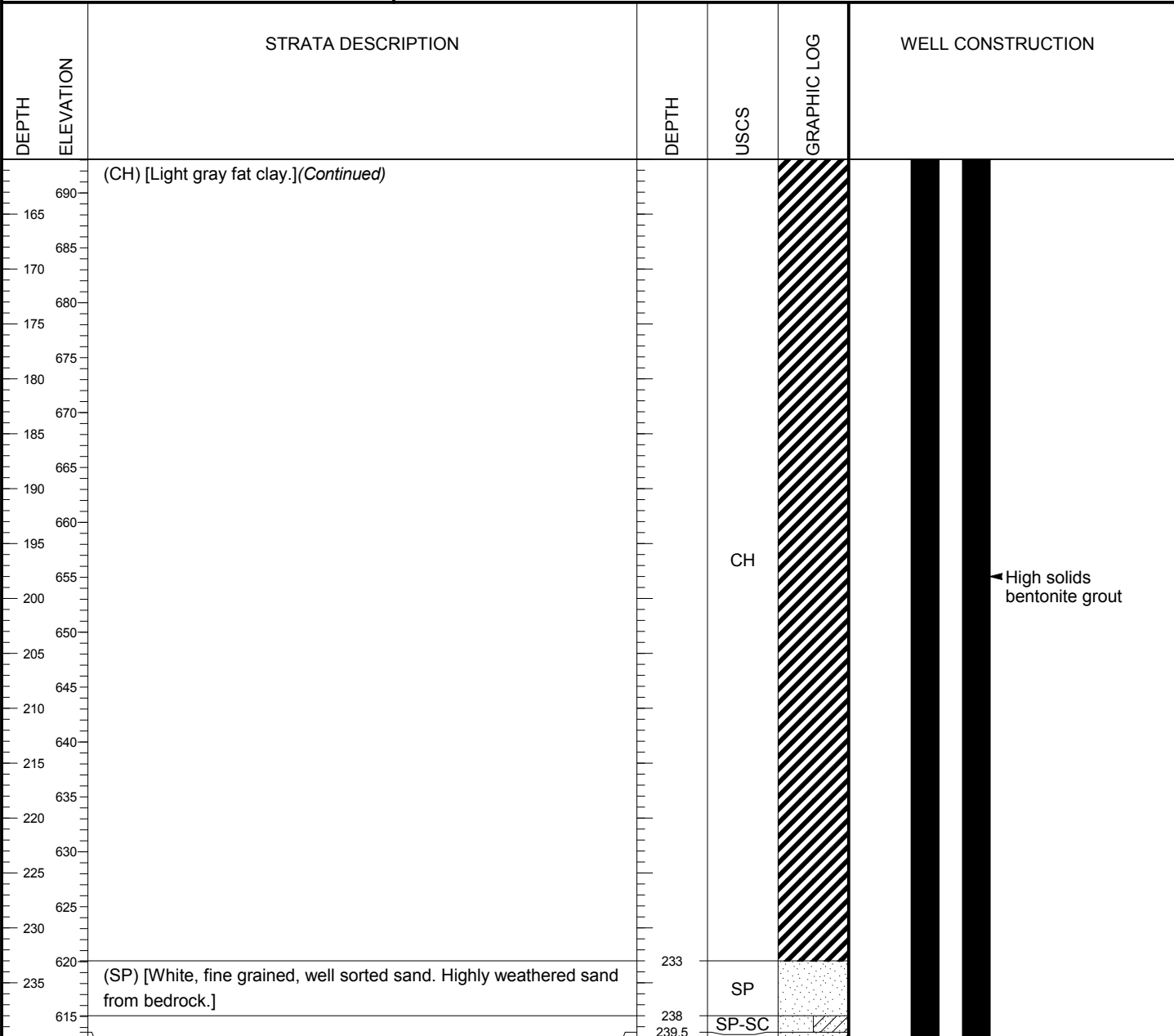
BORING # **TS-MW-17C**  
ERM PROJECT # 0441161  
SHEET 3 OF 4

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/15/2019  
FINISH 04/25/2019

GEOGRAPHIC COORDINATES  
(NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404372.25  
EASTING 2140333.9  
ELEVATION 853.06 ft

WELL CONSTRUCTION			WELL DEVELOPMENT
	Riser	Screen	
Material:	Schedule 80 PVC	Schedule 80 PVC, 0.010-slot	Method: Surge and Pump - mechanical
Diameter (ID):	2-inch	2-inch	Duration: 2.25 hours
Coupling:	Threaded	Threaded	Gals. Purged:300
Well Permit #: No permit required.			



WELL CONSTRUCTION: 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

REMARKS:  
VAS and soil lab analysis is for dichloroethane (ethylene dichloride).

WELL INSTALLATION NOTES:



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-17C**

ERM PROJECT # 0441161

SHEET 4 OF 4

DRILLING CONTRACTOR Cascade Drilling  
Little Falls, MN  
DRILLING FOREMAN Alvin Anderson  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 04/15/2019  
FINISH 04/25/2019

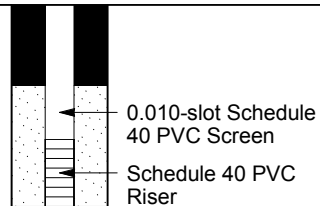
GEOGRAPHIC COORDINATES  
(NAD 1983 StatePlane Wisconsin South (US Feet))  
NORTHING 404372.25  
EASTING 2140333.9  
ELEVATION 853.06 ft

WELL CONSTRUCTION  
Riser Screen  
Material: Schedule 80 PVC Schedule 80 PVC, 0.010-slot  
Diameter (ID): 2-inch 2-inch  
Coupling: Threaded Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Surge and Pump - mechanical  
Duration: 2.25 hours  
Gals. Purged: 300

WELL CONSTRUCTION: 910 MAYER LLC BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 5/30/19

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	WELL CONSTRUCTION
610	(SP-SC) [Brown sand with clay and silt.]	244.75	SP		
245	(SP) [White, fine grained, well sorted sand from bedrock.](Continued)	245.5			
605	[Yellow quartz arenite sandstone. Fine grained, well sorted, well rounded, highly weathered.]		SP		
250					
600	(SP) [White, fine grained, well sorted sand from bedrock with streaks of red and yellow throughout.]	255			
255					
595					
260					
590					
265					
585					
270					
580					
275					
575					
280					
570					
285					
565					
290					
560					
295					
555					
300					
550					
305					
545					
310					
540					
315					
535					



REMARKS:  
VAS and soil lab analysis is for dichloroethane (ethylene dichloride).

WELL INSTALLATION NOTES:



Facility/Project Name	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. " Long. " or " "	Wis. Unique Well No. DNR Well ID No.
Facility ID	St. Plane <u>4055</u> ft. N. <u>2140</u> ft. E. S/C/N	Date Well Installed m m d d y y y y
Type of Well Well Code	Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm
Distance from Waste/Source ft.	Enf. Stds. Apply <input type="checkbox"/>	
	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation	ft. MSL	1. Cap and lock?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation	ft. MSL	2. Protective cover pipe:	
C. Land surface elevation	ft. MSL	a. Inside diameter:	in.
D. Surface seal, bottom	ft. MSL or ft.	b. Length:	ft.
12. USCS classification of soil near screen:		c. Material:	Steel <input type="checkbox"/> 04 Other <input checked="" type="checkbox"/>
GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/>		d. Additional protection?	<input type="checkbox"/> Yes <input type="checkbox"/> No
SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/>		If yes, describe:	
Bedrock <input type="checkbox"/>		3. Surface seal:	Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
13. Sieve analysis performed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Material between well casing and protective pipe:	Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
14. Drilling method used:	Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	5. Annular space seal:	a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. Ft <sup>3</sup> volume added for any of the above
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		f. How installed:	Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
16. Drilling additives used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Bentonite seal:	a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/>
Describe		7. Fine sand material: Manufacturer, product name & mesh size	
17. Source of water (attach analysis, if required):		a.	
		b. Volume added ft <sup>3</sup>	
		8. Filter pack material: Manufacturer, product name & mesh size	
		a.	
		b. Volume added ft <sup>3</sup>	
E. Bentonite seal, top	ft. MSL or ft.	9. Well casing:	Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
F. Fine sand, top	ft. MSL or 2 ft.	10. Screen material:	
G. Filter pack, top	ft. MSL or 2 ft.	a. Screen type:	Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
H. Screen joint, top	ft. MSL or ft.	b. Manufacturer	
I. Well bottom	ft. MSL or ft.	c. Slot size:	0. in.
J. Filter pack, bottom	ft. MSL or ft.	d. Slotted length:	ft.
K. Borehole, bottom	ft. MSL or ft.	11. Backfill material (below filter pack):	None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
L. Borehole, diameter	in.		
M. O.D. well casing	in.		
N. I.D. well casing	in.		

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature \_\_\_\_\_ Firm \_\_\_\_\_

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>710 Mayes LLC</u>	County Name <u>Waukesha</u>	Well Name <u>FS 100-01</u>	
Facility License, Permit or Monitoring Number	County Code <u>---</u>	Wis. Unique Well Number <u>W15000</u>	DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other

3. Time spent developing well      min.

4. Depth of well (from top of well casing) 12.6 ft.

5. Inside diameter of well      in.

6. Volume of water in filter pack and well casing 9.5 gal.

7. Volume of water removed from well      gal.

8. Volume of water added (if any)      gal.

9. Source of water added     

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

17. Additional comments on development:  
    

11. Depth to Water (from top of well casing)

	<u>Before Development</u>	<u>After Development</u>
a.	<u>3.14</u> ft.	<u>12.60</u> ft.

Date b. 04/24/2001 / 04/24/2001  
m m d d y y y y m m d d y y y y

Time c. 12:30  a.m.       a.m.  
      p.m.       p.m.

12. Sediment in well      inches      inches  
bottom

13. Water clarity Clear  10 Clear  20  
Turbid  15 Turbid  25  
(Describe) (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids      mg/l      mg/l

15. COD      mg/l      mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATO

Firm: EFM

Name and Address of Facility Contact/Owner/Responsible Party

First Name:      Last Name:     

Facility/Firm: 710 Mayes LLC

Street: 710 Mayes

City/State/Zip: Mosson, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: RYAN PLATO

Firm: EFM

Facility/Project Name	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. DNR Well ID No.
Facility ID	Lat. _____ Long. _____ " or		Date Well Installed
Type of Well	St. Plane <u>4555</u> ft. N. <u>219</u> ft. E. S/C/N		Well Installed By: Name (first, last) and Firm
Well Code	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E. <input type="checkbox"/> W.		
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
Describe _____	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	b. Manufacturer _____ c. Slot size: _____ in. d. Slotted length: _____ ft.
F. Fine sand, top _____ ft. MSL or <u>2</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
G. Filter pack, top _____ ft. MSL or <u>2</u> ft.	
H. Screen joint, top _____ ft. MSL or _____ ft.	
I. Well bottom _____ ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom _____ ft. MSL or _____ ft.	
L. Borehole, diameter _____ in.	
M. O.D. well casing _____ in.	
N. I.D. well casing _____ in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
Signature \_\_\_\_\_ Firm SWP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>4100 Meyer Ave</u>	County Name <u>Dane</u>	Well Name <u>FS MW-02</u>	
Facility License, Permit or Monitoring Number	County Code <u>12</u>	Wis. Unique Well Number <u>WBS01</u>	DNR Well ID Number <u>    </u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well      min.
4. Depth of well (from top of well casing) 11.5 ft.
5. Inside diameter of well 2.0 in.
6. Volume of water in filter pack and well casing 9.6 gal.
7. Volume of water removed from well 5.8 gal.
8. Volume of water added (if any) 2.8 gal.
9. Source of water added

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>3.75</u> ft.	<u>12.10</u> ft.
Date	b. <u>04/22/2004</u> m m / d d / y y y y	<u>04/27/2004</u> m m / d d / y y y y
Time	c. <u>11:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>2:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>    </u> inches	<u>    </u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>    </u>	Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>    </u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids      mg/l      mg/l

15. COD      mg/l      mg/l

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NA

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATA

Firm: FAM

17. Additional comments on development:  
Surged with pump

Name and Address of Facility Contact/Owner/Responsible Party

First Name:      Last Name:     

Facility/Firm: 4100 Meyer Ave

Street: 100 Meyer Ave

City/State/Zip: Milwaukee WI 53204

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: RYAN PLATA

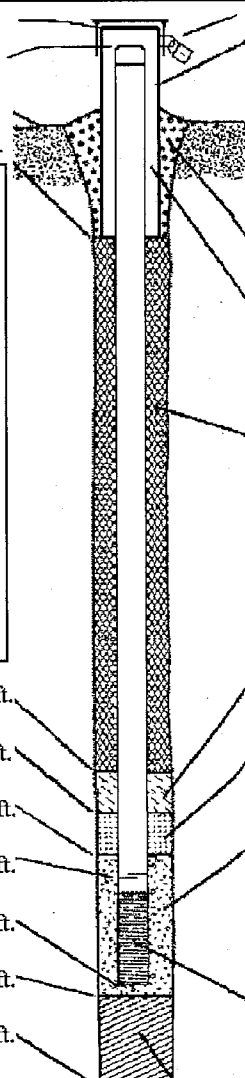
Firm:     

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to:  Watershed/Wastewater  Waste Management   
 Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer LLC</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name <u>FS-MW-3</u>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <u>        </u> DNR Well ID No. <u>        </u>	
Facility ID		St. Plane <u>425</u> ft. N. <u>770</u> ft. E. S/C/N		Date Well Installed <u>04/02/2019</u> m m d d y y y y	
Type of Well		Section Location of Waste/Source 1/4 of <u>        </u> 1/4 of Sec. <u>        </u> , T. <u>        </u> , N. R. <u>        </u> <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Matt Palsgrove</u> <u>Geoseive</u>	
Well Code <u>1</u>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number <u>        </u>	
Distance from Waste/Source <u>        </u> ft.		Enf. Stds. Apply <input type="checkbox"/>			

A. Protective pipe, top elevation <u>        </u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>        </u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>8</u> in. b. Length: <u>1</u> ft. c. Material: Steel <input type="checkbox"/> 04 <u>Flush Mount Cover</u> Other <input checked="" type="checkbox"/>
C. Land surface elevation <u>        </u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u>        </u>
D. Surface seal, bottom <u>        </u> ft. MSL or <u>        </u> ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. <u>        </u> Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. <u>        </u> Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. <u>        </u> % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. <u>        </u> Ft <sup>3</sup> volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. <u>        </u> Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name & mesh size a. <u>        </u> b. Volume added <u>        </u> ft <sup>3</sup>
Describe <u>        </u>	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#5 Sand</u> b. Volume added <u>3-5</u> ft <sup>3</sup>
17. Source of water (attach analysis, if required): <u>        </u>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top <u>        </u> ft. MSL or <u>0</u> ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top <u>        </u> ft. MSL or <u>2</u> ft.	b. Manufacturer <u>        </u> c. Slot size: <u>0.01</u> in. d. Slotted length: <u>10</u> ft.
G. Filter pack, top <u>        </u> ft. MSL or <u>2</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top <u>        </u> ft. MSL or <u>2</u> ft.	
I. Well bottom <u>        </u> ft. MSL or <u>12</u> ft.	
J. Filter pack, bottom <u>        </u> ft. MSL or <u>12</u> ft.	
K. Borehole, bottom <u>        </u> ft. MSL or <u>12</u> ft.	
L. Borehole, diameter <u>8.44</u> in.	
M. O.D. well casing <u>2.375</u> in.	
N. I.D. well casing <u>2</u> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm ERM

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 MAYER LLC</u>	County Name <u>DANE</u>	Well Name <u>FS-MW-03</u>
Facility License, Permit or Monitoring Number	County Code <u>L3</u>	Wis. Unique Well Number <u>W2522</u>
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other

3. Time spent developing well 190 min.

4. Depth of well (from top of well casing) 12.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 7.8 gal.

7. Volume of water removed from well 78.0 gal.

8. Volume of water added (if any) \_\_\_\_\_ gal.

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
N/A

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>3.78</u> ft.	<u>0.00</u> ft.
Date	b. <u>04/19/2019</u> m m d d y y y y	<u>04/19/2019</u> m m d d y y y y
Time	c. <u>2:50</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>6:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>less turbid</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATH

Firm: ERM

Name and Address of Facility Contact /Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Name: \_\_\_\_\_ Name: \_\_\_\_\_

Facility/Firm: 910 MAYER LLC

Street: 910 Mayer

City/State/Zip: MADISON, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature:

Print Name: RYAN PLATH

Firm: ERM

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>Chio Meyer LLC</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name <u>ES-MW-4</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. _____ Long. _____ or _____	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane <u>41 S 2 2 2</u> ft. N, <u>214 55 13</u> ft. E. S/C/N	Date Well Installed <u>04/02/2019</u> m m d d y y y y
Type of Well Well Code <u>11, MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Matt Pasgrove</u> <u>Geosolve</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number _____
Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known		

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL  
B. Well casing, top elevation \_\_\_\_\_ ft. MSL  
C. Land surface elevation \_\_\_\_\_ ft. MSL  
D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
GP  GM  GC  GW  SW  SP   
SM  SC  ML  MH  CL  CH   
Bedrock

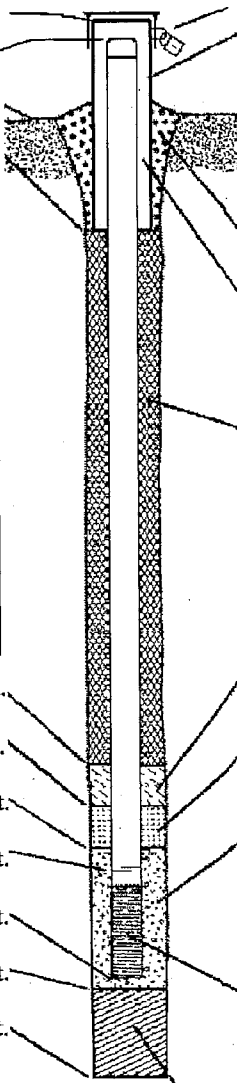
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
Hollow Stem Auger  41  
Other

15. Drilling fluid used: Water  02 Air  01  
Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
\_\_\_\_\_



- Cap and lock?  Yes  No
- Protective cover pipe:
  - a. Inside diameter: \_\_\_\_\_ in.
  - b. Length: \_\_\_\_\_ ft.
  - c. Material: Flush Mount Cover Steel  04 Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- Surface seal:
  - Bentonite  30
  - Concrete  01
  - Other
- Material between well casing and protective pipe:
  - Bentonite  30
  - Other
- Annular space seal:
  - a. Granular/Chipped Bentonite  33
  - b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35
  - c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31
  - d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50
  - e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above
  - f. How installed:
    - Tremie  01
    - Tremie pumped  02
    - Gravity  08
- Bentonite seal:
  - a. Bentonite granules  33
  - b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - c. \_\_\_\_\_ Other
- Fine sand material: Manufacturer, product name & mesh size
  - a. \_\_\_\_\_
  - b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- Filter pack material: Manufacturer, product name & mesh size
  - a. #5 Sand
  - b. Volume added 3.5 ft<sup>3</sup>
- Well casing:
  - Flush threaded PVC schedule 40  23
  - Flush threaded PVC schedule 80  24
  - Other
- Screen material: PV
  - a. Screen type:
    - Factory cut  11
    - Continuous slot  01
    - Other
  - b. Manufacturer \_\_\_\_\_
  - c. Slot size: \_\_\_\_\_
  - d. Slotted length: 10 ft.
- Backfill material (below filter pack):
  - None  14
  - Other

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or 0 ft.  
F. Fine sand, top \_\_\_\_\_ ft. MSL or 2 ft.  
G. Filter pack, top \_\_\_\_\_ ft. MSL or 2 ft.  
H. Screen joint, top \_\_\_\_\_ ft. MSL or 4 ft.  
I. Well bottom \_\_\_\_\_ ft. MSL or 14 ft.  
J. Filter pack, bottom \_\_\_\_\_ ft. MSL or 14 ft.  
K. Borehole, bottom \_\_\_\_\_ ft. MSL or 14 ft.  
L. Borehole, diameter 8.14 in.  
M. O.D. well casing 2.375 in.  
N. I.D. well casing 2 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm ERM

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer LLC.</u>	County Name <u>DANE</u>	Well Name <u>FS-MW-4</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>WB502</u>
		DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other \_\_\_\_\_

3. Time spent developing well 155 min.

4. Depth of well (from top of well casing) 17.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 9.3 gal.

7. Volume of water removed from well 60.0 gal.

8. Volume of water added (if any) \_\_\_\_\_ gal.

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results) N/A

17. Additional comments on development:

11. Depth to Water Before Development After Development

(from top of well casing) a. 4.15 ft. \_\_\_\_\_ ft.

Date 04/12/2019 04/12/2019  
m m d d y y y y m m d d y y y y

Time c. 13:00  a.m.  p.m. 16:05  a.m.  p.m.

12. Sediment in well \_\_\_\_\_ inches \_\_\_\_\_ inches  
bottom

13. Water clarity Clear  10 Clear  20  
Turbid  15 Turbid  25  
(Describe) (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l  
solids

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATH

Firm: ERM

Name and Address of Facility Contact /Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Facility/Firm: 910 Mayer LLC.

Street: 910 MAYER

City/State/Zip: MADISON, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: RYAN PLATH

Firm: ERM



Facility/Project Name <u>910 Meyer AVE</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>FS-MW-5</u>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <input type="checkbox"/> DNR Well ID No. <input type="checkbox"/>	
Facility ID		St. Plane <u>2524.0</u> ft. N, <u>2424.0</u> ft. E. S/C/N		Date Well Installed <u>8/10/2019</u> m m d d y y v v	
Type of Well Well Code <u>11, MW</u>		Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Matt Folslove</u> <u>Geosolve</u>	
Distance from Waste/Source _____ ft.		Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 04 <u>Flush mount cover</u> Other <input checked="" type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other _____
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#5 sand</u> b. Volume added <u>3.5</u> ft <sup>3</sup>
17. Source of water (attach analysis, if required): _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <u>0</u> ft.	10. Screen material: <u>pvc</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>1</u> ft.	b. Manufacturer _____ c. Slot size: _____ 0.01 in. d. Slotted length: _____ 10 ft.
G. Filter pack, top _____ ft. MSL or <u>1</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <u>3</u> ft.	
I. Well bottom _____ ft. MSL or <u>13</u> ft.	
J. Filter pack, bottom _____ ft. MSL or <u>13</u> ft.	
K. Borehole, bottom _____ ft. MSL or <u>13</u> ft.	
L. Borehole, diameter <u>8.75</u> in.	
M. O.D. well casing <u>2.375</u> in.	
N. I.D. well casing <u>2</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm FRM

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Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer LLC.</u>	County Name <u>DANE</u>	Well Name <u>FS-MW-5</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>W 3004</u>
		DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other \_\_\_\_\_
3. Time spent developing well 180 min.
4. Depth of well (from top of well casing) 130 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 9.1 gal.
7. Volume of water removed from well 300 gal.
8. Volume of water added (if any) \_\_\_\_\_ gal.
9. Source of water added \_\_\_\_\_
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development   | After Development   |
|--|--|---|
| 11. Depth to Water (from top of well casing) | a. <u>5.44</u> ft.   | <u>0.00</u> ft.   |
| Date   | b. <u>04/12/2019</u><br>m m d d y y y y  | <u>04/12/2019</u><br>m m d d y y y y  |
| Time   | c. <u>1:30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.                  | <u>4:30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.                                  |
| 12. Sediment in well bottom                  | _____ inches   | _____ inches  |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) _____ | Clear <input type="checkbox"/> 20<br>Turbid <input checked="" type="checkbox"/> 25<br>(Describe) <u>Less Turbid</u> |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids \_\_\_\_\_ mg/l
15. COD \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm  
 First Name: RYAN Last Name: PLATH  
 Firm: ERM

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
 Name: \_\_\_\_\_ Name: \_\_\_\_\_

Facility/Firm: 910 MAYER LLC.

Street: 910 MAYER

City/State/Zip: MADISON, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

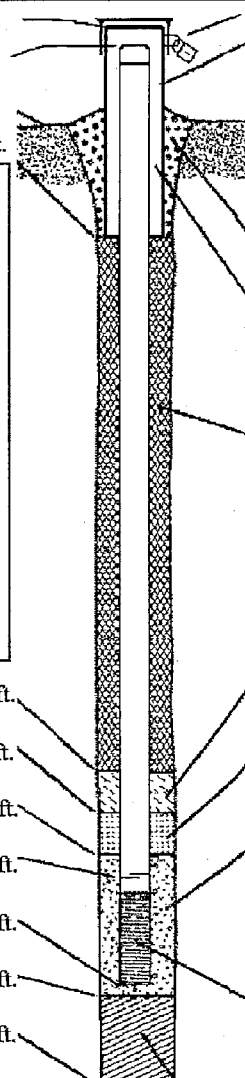
Signature: [Signature]

Print Name: RYAN PLATH

Firm: ERM

Facility/Project Name <u>410 Meyer AVE</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>FS-MW-06</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. _____ "Long. _____ " or		Wis. Unique Well No. <u>W 1525</u> DNR Well ID No. _____
Facility ID	St. Plane <u>405 2 2 0</u> ft. N. <u>240 2 5</u> ft. E. S/C/N		Date Well Installed <u>04/03/2019</u> m m d d y y y y
Type of Well Well Code <u>10 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Matt Palsgrove</u> <u>Geoserve</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: Steel <input type="checkbox"/> 04 <u>flush mount cover</u> Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Gravity <input checked="" type="checkbox"/> 08
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#5 sand</u> b. Volume added <u>3.5</u> ft <sup>3</sup>
F. Fine sand, top _____ ft. MSL or _____ ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
G. Filter pack, top _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or _____ ft.	b. Manufacturer _____ c. Slot size: _____ in.
I. Well bottom _____ ft. MSL or _____ ft.	d. Slotted length: _____ ft.
J. Filter pack, bottom _____ ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or _____ ft.	
L. Borehole, diameter <u>8.4</u> in.	
M. O.D. well casing <u>2.375</u> in.	
N. I.D. well casing <u>2</u> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm ERM

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Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>q10 Mayer LLC.</u>	County Name <u>DANE</u>	Well Name <u>FS-MW-06</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>WB5-5</u>
		DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other \_\_\_\_\_
3. Time spent developing well 70 min.
4. Depth of well (from top of well casing) 15.0 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 9.9 gal.
7. Volume of water removed from well 65.0 gal.
8. Volume of water added (if any) \_\_\_\_\_ gal.
9. Source of water added \_\_\_\_\_  
NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development   | After Development  |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>449</u> ft.  | _____ ft.  |
| Date   | b. <u>04/12/2019</u><br>m m d d y y y y  | <u>04/12/2019</u><br>m m d d y y y y   |
| Time   | c. <u>10:55</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.                 | <u>12:05</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.                    |
| 12. Sediment in well bottom                  | _____ inches   | _____ inches   |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) _____ | Clear <input checked="" type="checkbox"/> 20<br>Turbid <input type="checkbox"/> 25<br>(Describe) _____ |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids \_\_\_\_\_ mg/l
15. COD \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATH

Firm: ERM

17. Additional comments on development:  
surged with pump

Name and Address of Facility Contact /Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Name: \_\_\_\_\_

Facility/Firm: q10 Mayer LLC.

Street: q10 Mayer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Ryan Plath

Print Name: RYAN PLATH

Firm: ERM

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>11111</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>11111</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. _____ "Long. _____ " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane <u>11111</u> ft. N, <u>11111</u> ft. E. S/C/N	Date Well Installed m / d / y <u>11 / 11 / 11</u>
Type of Well Well Code <u>11, MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>ERM</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	
	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p>		<p>1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 04 Other <input type="checkbox"/> _____ d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/> _____</p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/> _____</p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft<sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/> _____</p> <p>7. Fine sand material: Manufacturer, product name &amp; mesh size a. _____ b. Volume added _____ ft<sup>3</sup></p> <p>8. Filter pack material: Manufacturer, product name &amp; mesh size a. _____ <u>7 mesh</u> b. Volume added _____ ft<sup>3</sup></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/> _____</p> <p>10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> _____ b. Manufacturer _____ c. Slot size: 0. _____ in. d. Slotted length: _____ ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/> _____</p>
--	--	--

12. USCS classification of soil near screen:  
GP  GM  GC  GW  SW  SP   
SM  SC  ML  MH  CL  CH   
Bedrock

13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
Hollow Stem Auger  41  
Other  \_\_\_\_\_

15. Drilling fluid used: Water  02 Air  01  
Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
\_\_\_\_\_

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

G. Filter pack, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

H. Screen joint, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

I. Well bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

K. Borehole, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

L. Borehole, diameter 7.25 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm ERM

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer LLC</u>	County Name <u>DANE</u>	Well Name <u>FS-MW-07</u>	
Facility License, Permit or Monitoring Number	County Code <u>23</u>	Wis. Unique Well Number <u>WDS00</u>	DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 120 min.
4. Depth of well (from top of well casing) 4.8 ft.
5. Inside diameter of well 2.0 in.
6. Volume of water in filter pack and well casing 2.7 gal.
7. Volume of water removed from well 45.0 gal.
8. Volume of water added (if any) \_\_\_\_\_ gal.
9. Source of water added \_\_\_\_\_
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
N/A

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>4.85</u> ft.	_____ ft.
Date	b. <u>04/12/2019</u> m m d d y y y y	<u>04/12/2019</u> m m d d y y y y
Time	c. <u>9:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATH

Firm: ERM

17. Additional comments on development:  
Surged with pump

Name and Address of Facility Contact /Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Name: \_\_\_\_\_ Name: \_\_\_\_\_

Facility/Firm: 910 Mayer LLC

Street: 910 Mayer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

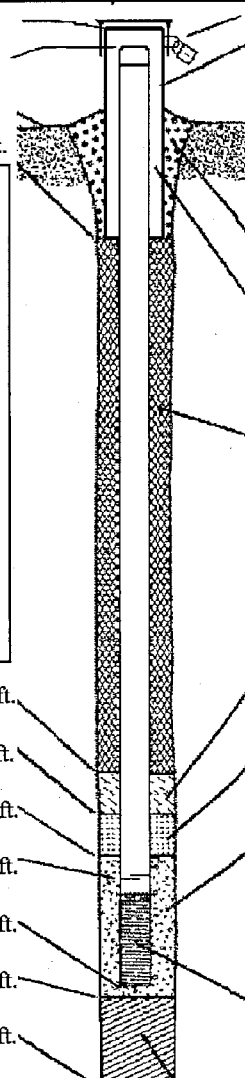
Print Name: RYAN PLATH

Firm: ERM

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>910 Mayer AVE</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>FS-MW-08</u>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <input type="checkbox"/> DNR Well ID No. <input type="checkbox"/>	
Facility ID		St. Plane <u>55</u> ft. N, <u>55</u> ft. E. S/C/N		Date Well Installed <u>04/09/2019</u> m m d d y y y y	
Type of Well Well Code <u>111 MW</u>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Matt Falsgrove</u>	
Distance from Waste/Source _____ ft.		Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>8</u> in.
C. Land surface elevation _____ ft. MSL	b. Length: <u>7</u> ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: <u>FLUSH MOUNT COVER</u> Steel <input type="checkbox"/> 04 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
17. Source of water (attach analysis, if required): _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <u>6</u> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
F. Fine sand, top _____ ft. MSL or <u>2</u> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#5 Sand</u> b. Volume added <u>3-5</u> ft <sup>3</sup>
G. Filter pack, top _____ ft. MSL or <u>2</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <u>4</u> ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or <u>14</u> ft.	b. Manufacturer _____ c. Slot size: <u>0.01</u> in. d. Slotted length: <u>10</u> ft.
J. Filter pack, bottom _____ ft. MSL or <u>14</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or <u>14</u> ft.	
L. Borehole, diameter <u>8-25</u> in.	
M. O.D. well casing <u>2-375</u> in.	
N. I.D. well casing <u>2</u> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm Erm

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer LLC</u>	County Name <u>DAVE</u>	Well Name <u>FS-MW-08</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>WB542</u>
		DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other \_\_\_\_\_

3. Time spent developing well 136 min.

4. Depth of well (from top of well casing) 14.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 131 gal.

7. Volume of water removed from well 650 gal.

8. Volume of water added (if any) \_\_\_\_\_ gal.

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NA

17. Additional comments on development:

Surged w/ Pump

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>3.85</u> ft.	_____ ft.
Date	b. <u>04/12/2019</u> m m d d y y y y	<u>04/12/2019</u> m m d d y y y y
Time	c. <u>8:14</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>10:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATH

Firm: EPM

Name and Address of Facility Contact/Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Name: \_\_\_\_\_ Name: \_\_\_\_\_

Facility/Firm: 910 Mayer LLC

Street: 910 Mayer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

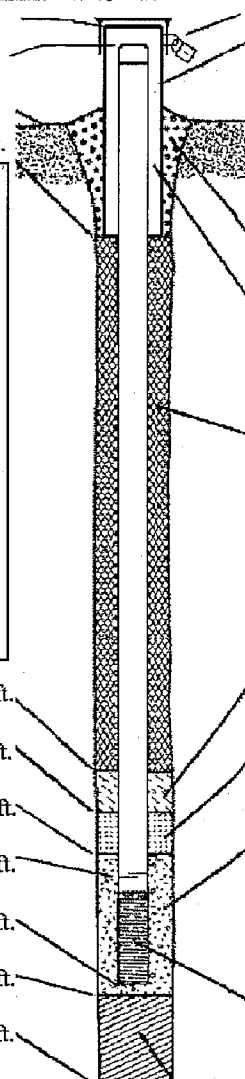
Print Name: RYAN PLATH

Firm: EPM



Route to:  Watershed/Wastewater  Waste Management  
 Remediation/Redevelopment  Other

Facility/Project Name <u>910 Meyer LLC</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>FS-MW-0</u>	
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <u>W111533</u> DNR Well ID No.	
Facility ID		St. Plane: <u>4478.4</u> ft. N, <u>570.0</u> ft. E. S/C/N		Date Well Installed <u>04/02/2019</u> m m d d y y y y	
Type of Well Well Code <u>U, MW</u>		Section Location of Waste/Source 1/4 of <u>1</u> 1/4 of Sec. <u>1</u> , T. <u>1</u> N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Matt Paesgrove</u> <u>Geoserve</u>	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known		Gov. Lot Number	

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p>		<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: <u>8</u> in. b. Length: _____ ft. c. Material: <u>Flushmount COVER</u> Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other _____</p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft<sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name &amp; mesh size a. _____ b. Volume added _____ ft<sup>3</sup></p> <p>8. Filter pack material: Manufacturer, product name &amp; mesh size a. <u>#5 Sand</u> b. Volume added <u>3.5</u> ft<sup>3</sup></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer _____ c. Slot size: _____ 0.01 in. d. Slotted length: <u>10</u> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/></p>
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12. USCS classification of soil near screen:  
GP  GM  GC  GW  SW  SP   
SM  SC  ML  MH  CL  CH   
Bedrock

13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
Hollow Stem Auger  41  
Other

15. Drilling fluid used: Water  02 Air  01  
Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
Describe \_\_\_\_\_

17. Source of water (attach analysis, if required): \_\_\_\_\_

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or 6 ft.

F. Fine sand, top \_\_\_\_\_ ft. MSL or 3 ft.

G. Filter pack, top \_\_\_\_\_ ft. MSL or 3 ft.

H. Screen joint, top \_\_\_\_\_ ft. MSL or 5 ft.

I. Well bottom \_\_\_\_\_ ft. MSL or 15 ft.

J. Filter pack, bottom \_\_\_\_\_ ft. MSL or 15 ft.

K. Borehole, bottom \_\_\_\_\_ ft. MSL or 15 ft.

L. Borehole, diameter 8 1/4 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm ERM

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer LLC.</u>	County Name <u>DANE</u>	Well Name <u>FS-MW-9</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>W6502</u>
		DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other  \_\_\_\_\_

3. Time spent developing well 75 min.

4. Depth of well (from top of well casing) 15.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 7.7 gal.

7. Volume of water removed from well 20.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results) NA

17. Additional comments on development:

11. Depth to Water (from top of well casing)

	Before Development	After Development
a.	<u>6.85</u> ft.	<u>0.00</u> ft.
Date	b. <u>04/10/2019</u>	<u>1/1/</u>
Time	c. <u>4:15</u> <input checked="" type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>5:30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.

12. Sediment in well bottom \_\_\_\_\_ inches

13. Water clarity

	Before Development	After Development
Clear	<input type="checkbox"/> 10	<input type="checkbox"/> 20
Turbid	<input checked="" type="checkbox"/> 15	<input checked="" type="checkbox"/> 25
(Describe)	_____	<u>Less turbid</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATT

Firm: ERM

Name and Address of Facility Contact /Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Facility/Firm: 910 Mayer LLC.

Street: 910 Mayer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

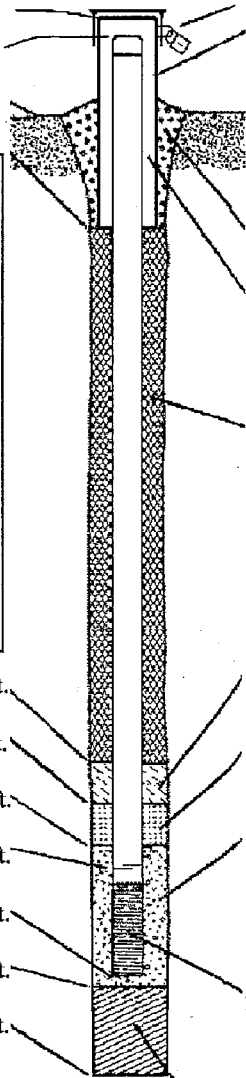
Signature: [Signature]

Print Name: RYAN PLATT

Firm: ERM

Facility/Project Name <b>910 Meyer AVE</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <b>FS-MW-10</b>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or _____	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed <b>04/03/2019</b> m m d d y y y y
Type of Well Well Code <b>11 / AW</b>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Matt Palsgrove</b> <b>Geoserve</b>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	
	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: <b>Flush mount cover</b> Steel <input type="checkbox"/> 04 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other _____
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other _____
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
17. Source of water (attach analysis, if required): _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <b>0</b> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
F. Fine sand, top _____ ft. MSL or <b>3</b> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <b>#5 sand</b> b. Volume added <b>3.5</b> ft <sup>3</sup>
G. Filter pack, top _____ ft. MSL or <b>3</b> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <b>5</b> ft.	10. Screen material: a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or <b>15</b> ft.	b. Manufacturer _____ c. Slot size: <b>0.01</b> in. d. Slotted length: <b>10</b> ft.
J. Filter pack, bottom _____ ft. MSL or <b>15</b> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or <b>15</b> ft.	
L. Borehole, diameter <b>2 1/4</b> in.	
M. O.D. well casing <b>2.375</b> in.	
N. I.D. well casing <b>2</b> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Signature]* Firm **ERM**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer LLC</u>	County Name <u>Dane County</u>	Well Name <u>FS-MW-10</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>W2521</u>
		LINK Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 140 min.
4. Depth of well (from top of well casing) 15.0 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 93 gal.
7. Volume of water removed from well 65.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NA

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>5.11</u> ft.	_____ ft.
Date	b. <u>04/10/2019</u> m m d d y y y y	<u>04/10/2019</u> m m d d y y y y
Time	c. <u>10:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>12:50</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATH

Firm: ERM

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Facility/Firm: 910 Mayer LLC

Street: 910 Mayer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

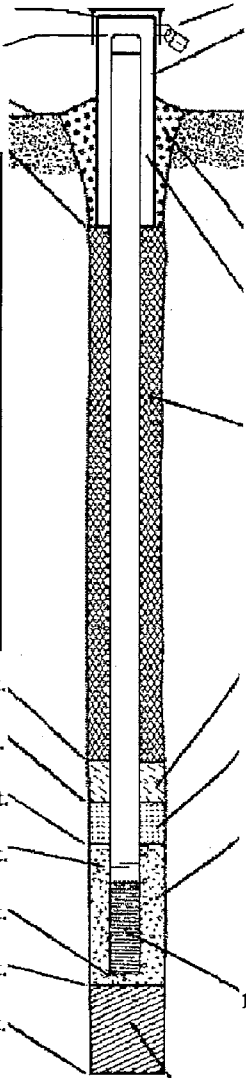
Print Name: RYAN PLATH

Firm: ERM

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <b>410 Mayer AVE</b>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <b>FS-MW-11</b>	
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/>		Wis. Unique Well No. <b>W25</b> DNR Well ID No.	
Facility ID		St. Plane: <b>219</b> ft. N. <b>219</b> ft. E. S/C/N		Date Well Installed <b>04/13/2019</b> m m d d y y y y	
Type of Well Well Code <b>111 MW</b>		Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <b>Matt Palsgrove</b> <b>Geoserve</b>	
Distance from Waste/Source ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known		Gov. Lot Number	

A. Protective pipe, top elevation	ft. MSL	1. Cap and lock?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation	ft. MSL	2. Protective cover pipe:	
C. Land surface elevation	ft. MSL	a. Inside diameter:	<b>8</b> in.
D. Surface seal, bottom	ft. MSL or ft.	b. Length:	<b>1</b> ft.
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		c. Material:	Steel <input type="checkbox"/> 04 <b>Flush Mount Cover</b> Other <input checked="" type="checkbox"/>
13. Sieve analysis performed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	d. Additional protection?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:
14. Drilling method used:	Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	3. Surface seal:	Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		4. Material between well casing and protective pipe:	Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5. Annular space seal:	a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie pumped <input type="checkbox"/> 01 Gravity <input checked="" type="checkbox"/> 08
17. Source of water (attach analysis, if required):		6. Bentonite seal:	a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/>
E. Bentonite seal, top	ft. MSL or <b>0</b> ft.	7. Fine sand material: Manufacturer, product name & mesh size	
F. Fine sand, top	ft. MSL or <b>3</b> ft.	a. _____	
G. Filter pack, top	ft. MSL or <b>3</b> ft.	b. Volume added _____ ft <sup>3</sup>	
H. Screen joint, top	ft. MSL or <b>5</b> ft.	8. Filter pack material: Manufacturer, product name & mesh size	
I. Well bottom	ft. MSL or <b>15</b> ft.	a. <b>#5 Sand</b>	
J. Filter pack, bottom	ft. MSL or <b>15</b> ft.	b. Volume added <b>3.5</b> ft <sup>3</sup>	
K. Borehole, bottom	ft. MSL or <b>15</b> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>	
L. Borehole, diameter	<b>8.14</b> in.	10. Screen material: <b>PVC</b>	
M. O.D. well casing	<b>23.75</b> in.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>	
N. I.D. well casing	<b>2</b> in.	b. Manufacturer _____	
		c. Slot size: <b>0.01</b> in.	
		d. Slotted length: <b>10</b> ft.	
		11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Signature]* Firm *ERM*

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other  FS-MW-11

Facility/Project Name <u>910 Mayer LLC</u>	County Name <u>Dane County</u>	Well Name	
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>WRS11</u>	DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 225 min.
4. Depth of well (from top of well casing) 15.0 ft.
5. Inside diameter of well 2.06 in.
6. Volume of water in filter pack and well casing 7.8 gal.
7. Volume of water removed from well 30.0 gal.
8. Volume of water added (if any)          gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NA

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>6.78</u> ft.	_____ ft.
Date	b. <u>04/10/2019</u> m m d d y y y y	<u>04/10/2019</u> m m d d y y y y
Time	c. <u>10:10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>2:05</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>less turbid</u>
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	<u>RYAN</u>	Last Name: <u>PLATH</u>
Firm:	<u>FRM</u>	

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Name: \_\_\_\_\_ Name: \_\_\_\_\_

Facility/Firm: 910 Mayer LLC

Street: 910 Mayer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

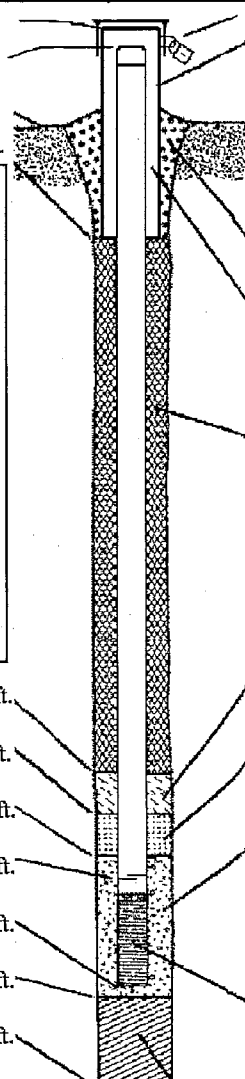
Print Name: RYAN PLATH

Firm: FRM

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>910 MAYER LLC</b>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <b>FS-MW-12</b>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No.   DNR Well ID No.	
Facility ID		St. Plane <b>44° 25' 27" N, 112° 25' 11" E. S/C/N</b>		Date Well Installed <b>04/02/2019</b> m m d d y y y y	
Type of Well Well Code <b>11, MW</b>		Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N. R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <b>Matt Pasigrove</b> <b>GeoServe</b>	
Distance from Waste/Source _____ ft.		Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen:                  GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/>                  SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/>                  Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50                  Hollow Stem Auger <input checked="" type="checkbox"/> 41                  Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01                  Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                  Describe _____</p> <p>17. Source of water (attach analysis, if required):                  _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or <b>0</b> ft.</p> <p>F. Fine sand, top _____ ft. MSL or <b>2</b> ft.</p> <p>G. Filter pack, top _____ ft. MSL or <b>2</b> ft.</p> <p>H. Screen joint, top _____ ft. MSL or <b>4</b> ft.</p> <p>I. Well bottom _____ ft. MSL or <b>14</b> ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or <b>14</b> ft.</p> <p>K. Borehole, bottom _____ ft. MSL or <b>14</b> ft.</p> <p>L. Borehole, diameter <b>8 1/4</b> in.</p> <p>M. O.D. well casing <b>2-3/8</b> in.</p> <p>N. I.D. well casing <b>2</b> in.</p>	 <p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe:                  a. Inside diameter: <b>8</b> in.                  b. Length: <b>1</b> ft.                  c. Material: Steel <input checked="" type="checkbox"/> 04                  Other <input type="checkbox"/>                  d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                  If yes, describe: <b>flush mount cover</b></p> <p>3. Surface seal:                  Bentonite <input type="checkbox"/> 30                  Concrete <input checked="" type="checkbox"/> 01                  Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe:                  Bentonite <input checked="" type="checkbox"/> 30                  Other <input type="checkbox"/></p> <p>5. Annular space seal:                  a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33                  b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35                  c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31                  d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50                  e. _____ Ft<sup>3</sup> volume added for any of the above                  f. How installed: Tremie <input type="checkbox"/> 01                  Tremie pumped <input type="checkbox"/> 02                  Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal:                  a. Bentonite granules <input type="checkbox"/> 33                  b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32                  c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name &amp; mesh size                  a. _____                  b. Volume added _____ ft<sup>3</sup></p> <p>8. Filter pack material: Manufacturer, product name &amp; mesh size                  a. <b>#5 Sand</b>                  b. Volume added <b>3.5</b> ft<sup>3</sup></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23                  Flush threaded PVC schedule 80 <input type="checkbox"/> 24                  Other <input type="checkbox"/></p> <p>10. Screen material: <b>PVC</b>                  a. Screen type: Factory cut <input checked="" type="checkbox"/> 11                  Continuous slot <input type="checkbox"/> 01                  Other <input type="checkbox"/>                  b. Manufacturer _____                  c. Slot size: <b>0.01</b> in.                  d. Slotted length: <b>16</b> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14                  Other <input type="checkbox"/></p>
--	--

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Signature]* Firm **ERM**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other  FS-MW-12

Facility/Project Name <u>910 Mezer LLC.</u>	County Name <u>Dane County</u>	Well Name <u>_____</u>
Facility License, Permit or Monitoring Number <u>_____</u>	County Code <u>13</u>	Wis. Unique Well Number <u>W2511</u>
		LNR Well ID Number <u>_____</u>

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other  \_\_\_\_\_

3. Time spent developing well 155 min.

4. Depth of well (from top of well casing) 14.0 ft.

5. Inside diameter of well 200 in.

6. Volume of water in filter pack and well casing 61 gal.

7. Volume of water removed from well 45.0 gal.

8. Volume of water added (if any) \_\_\_\_\_ gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NA

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>7.52</u> ft.	_____ ft.
Date	b. <u>04/10/2019</u> m m d d y y y y	<u>04/10/2019</u> m m d d y y y y
Time	c. <u>11:40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>2:15</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATH

Firm: ERM

Name and Address of Facility Contact/Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Facility/Firm: 910 Mezer LLC.

Street: 910 Mezer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

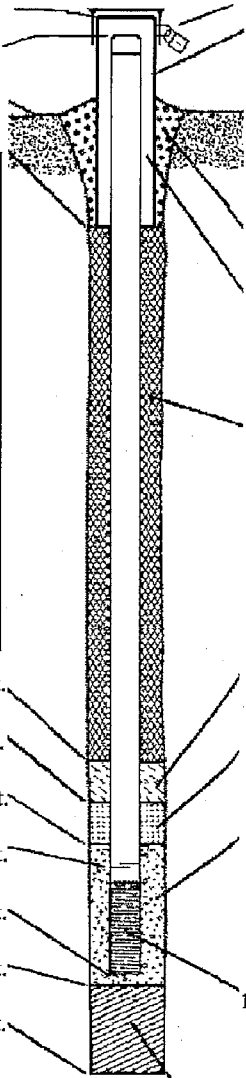
Print Name: RYAN PLATH

Firm: ERM



Facility/Project Name <b>910 Meyer AVE</b>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <b>FS-MW-13</b>	
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <input type="checkbox"/> DNR Well ID No. <input type="checkbox"/>	
Facility ID		St. Plane <b>4555</b> ft. N, <b>210</b> ft. E. S/C/N		Date Well Installed <b>04/03/2019</b> m m d d y y y y	
Type of Well Well Code <b>11, MW</b>		Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <b>Matt Palsgrove</b> <b>Geoserve</b>	
Distance from Waste/Source ft.		Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	

A. Protective pipe, top elevation	----- ft. MSL	1. Cap and lock?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation	----- ft. MSL	2. Protective cover pipe:	
C. Land surface elevation	----- ft. MSL	a. Inside diameter:	<u>8</u> in.
D. Surface seal, bottom	----- ft. MSL or ----- ft.	b. Length:	<u>1</u> ft.
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		c. Material:	Steel <input type="checkbox"/> 04 Other <input checked="" type="checkbox"/> <u>flush mount cover</u>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, describe: _____
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>		3. Surface seal:	Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		4. Material between well casing and protective pipe:	Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5. Annular space seal:	a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above
17. Source of water (attach analysis, if required): _____		f. How installed:	Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
E. Bentonite seal, top	----- ft. MSL or <u>0</u> ft.	6. Bentonite seal:	a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
F. Fine sand, top	----- ft. MSL or <u>3</u> ft.	7. Fine sand material: Manufacturer, product name & mesh size	a. _____ b. Volume added _____ ft <sup>3</sup>
G. Filter pack, top	----- ft. MSL or <u>3</u> ft.	8. Filter pack material: Manufacturer, product name & mesh size	a. <u>#5 sand</u> b. Volume added <u>3.5</u> ft <sup>3</sup>
H. Screen joint, top	----- ft. MSL or <u>5</u> ft.	9. Well casing:	Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
I. Well bottom	----- ft. MSL or <u>15</u> ft.	10. Screen material: <u>PVC</u>	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
J. Filter pack, bottom	----- ft. MSL or <u>15</u> ft.	b. Manufacturer _____	c. Slot size: <u>0.01</u> in.
K. Borehole, bottom	----- ft. MSL or <u>15</u> ft.	d. Slotted length: <u>10</u> ft.	
L. Borehole, diameter	<u>8.44</u> in.	11. Backfill material (below filter pack):	None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
M. O.D. well casing	<u>2.375</u> in.		
N. I.D. well casing	<u>2</u> in.		



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [Signature] Firm: ERM

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Moyer Ave</u>	County Name <u>Dane</u>	Well Name <u>F5-mw-13</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number _____
		DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other \_\_\_\_\_

3. Time spent developing well 162 min.

4. Depth of well (from top of well casing) 15.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 7.8 gal.

7. Volume of water removed from well 10.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added N/A

10. Analysis performed on water added?  Yes  No  
(If yes, attach results) N/A

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>6.76</u> ft.	_____ ft.
Date	b. <u>04/10/2019</u> m m d d y y y y	<u>04/10/2019</u> m m d d y y y y
Time	c. <u>9:40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>12:22</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>Less turbid than start. → well dry</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Philip Last Name: Kestler

Firm: ERM

Name and Address of Facility Contact /Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Name: \_\_\_\_\_ Name: \_\_\_\_\_

Facility/Firm: 910 Moyer LLC.

Street: 910 Moyer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

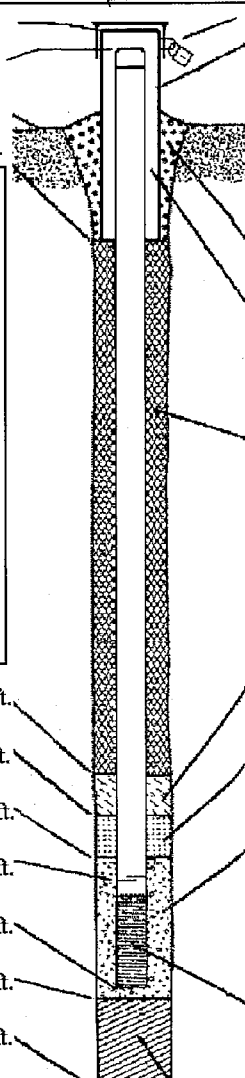
Signature: [Signature]

Print Name: RYAN PLATH

Firm: ERM

Facility/Project Name <b>410 MAYER AVE</b>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name <b>SR-MW-14</b>	
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. DNR Well ID No.	
Facility ID		St. Plane <b>455</b> ft. N, <b>240</b> ft. E. S/C/N		Date Well Installed <b>04/08/2019</b> m m d d y y y y	
Type of Well Well Code <b>11, MW</b>		Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N, R. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Installed By: Name (first, last) and Firm <b>MATT FOLSGROVE Geoserve</b>	
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known		Gov. Lot Number	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: Steel <input type="checkbox"/> 04 Other <input checked="" type="checkbox"/> <b>flush mount cover</b>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	f. How installed: <b>1.5 Bags</b> Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
17. Source of water (attach analysis, if required): _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <b>0</b> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
F. Fine sand, top _____ ft. MSL or <b>1</b> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <b>#5 Sand</b> <b>10 Bags</b> b. Volume added <b>5</b> ft <sup>3</sup>
G. Filter pack, top _____ ft. MSL or <b>1</b> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <b>3</b> ft.	10. Screen material: <b>PVC</b> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or <b>18</b> ft.	b. Manufacturer _____ c. Slot size: <b>0.01</b> in. d. Slotted length: <b>15</b> ft.
J. Filter pack, bottom _____ ft. MSL or <b>18</b> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or <b>18</b> ft.	
L. Borehole, diameter <b>8.25</b> in.	
M. O.D. well casing <b>2.375</b> in.	
N. I.D. well casing <b>2</b> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *[Handwritten Signature]* Firm: **ERM**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>JO MAYER LLC</u>	County Name <u>DANE</u>	Well Name <u>SR-MW-101</u>
Facility License, Permit or Monitoring Number	County Code <u>11</u>	Wis. Unique Well Number <u>WB5-3</u>
		DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other \_\_\_\_\_

3. Time spent developing well \_\_\_\_\_ min.

4. Depth of well (from top of well casing) 12.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 11.9 gal.

7. Volume of water removed from well \_\_\_\_\_ gal.

8. Volume of water added (if any) \_\_\_\_\_ gal.

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NE

17. Additional comments on development:  
well is not with pump

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>2.78</u> ft.	<u>2.78</u> ft.
Date	b. <u>04/22/2013</u>	<u>04/22/2013</u>
Time	c. <u>3:30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>4:45</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATA

Firm: FPM

Name and Address of Facility Contact /Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Name: \_\_\_\_\_ Name: \_\_\_\_\_

Facility/Firm: JO MAYER LLC

Street: JO MAYER

City/State/Zip: MADISON WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Ryan Plata

Print Name: RYAN PLATA

Firm: FPM

Facility/Project Name <b>910 MAYER AVE</b>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <b>SR-MW-15</b>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <input type="checkbox"/> DNR Well ID No. <input type="checkbox"/>	
Facility ID		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed <b>09/08/2019</b> m m d d y y v v	
Type of Well Well Code <b>U1 MW</b>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <b>Matt Palczak Geoserve</b>	
Distance from Waste/Source _____ ft.		Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p>	<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: <b>Flush mount cover</b> Steel <input type="checkbox"/> 04 Other <input checked="" type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft<sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name &amp; mesh size a. _____ b. Volume added _____ ft<sup>3</sup></p> <p>8. Filter pack material: Manufacturer, product name &amp; mesh size a. <b>#5 Sand</b> b. Volume added <b>5</b> ft<sup>3</sup></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: <b>PVC</b> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer _____ c. Slot size: _____ 0.01 in. d. Slotted length: <b>15</b> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/></p>
--	--

12. USCS classification of soil near screen:  
GP  GM  GC  GW  SW  SP   
SM  SC  ML  MH  CL  CH   
Bedrock

13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
Hollow Stem Auger  41  
Other


15. Drilling fluid used: Water  02 Air  01  
Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
Describe \_\_\_\_\_

17. Source of water (attach analysis, if required): \_\_\_\_\_

E. Bentonite seal, top _____ ft. MSL or <b>0</b> ft.	
F. Fine sand, top _____ ft. MSL or <b>3</b> ft.	
G. Filter pack, top _____ ft. MSL or <b>3</b> ft.	
H. Screen joint, top _____ ft. MSL or <b>5</b> ft.	
I. Well bottom _____ ft. MSL or <b>20</b> ft.	
J. Filter pack, bottom _____ ft. MSL or <b>20</b> ft.	
K. Borehole, bottom _____ ft. MSL or <b>20</b> ft.	
L. Borehole, diameter <b>8.25</b> in.	
M. O.D. well casing <b>2.375</b> in.	
N. I.D. well casing <b>2</b> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm **ERM**

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Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>THE MAYER LLC</u>	County Name <u>DANE</u>	Well Name <u>SR-MW-15</u>	
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>WB514</u>	DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/> 41
surged with bailer and pumped	<input type="checkbox"/> 61
surged with block and bailed	<input type="checkbox"/> 42
surged with block and pumped	<input type="checkbox"/> 62
surged with block, bailed and pumped	<input type="checkbox"/> 70
compressed air	<input type="checkbox"/> 20
bailed only	<input type="checkbox"/> 10
pumped only	<input checked="" type="checkbox"/> 51
pumped slowly	<input type="checkbox"/> 50
Other _____	<input type="checkbox"/>

3. Time spent developing well \_\_\_\_\_ min. 25

4. Depth of well (from top of well casing) 22.0 ft.

5. Inside diameter of well 2.50 in.

6. Volume of water in filter pack and well casing 119 gal.

7. Volume of water removed from well 90 gal.

8. Volume of water added (if any) \_\_\_\_\_ gal.

9. Source of water added \_\_\_\_\_  
NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NA

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>4.84</u> ft.	<u>5.30</u> ft.
Date	b. <u>04/20/2014</u>	<u>05/30/2014</u>
Time	c. <u>1:45</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>3:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATH

Firm: ERM

17. Additional comments on development:  
Surged with pump

Name and Address of Facility Contact/Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Facility/Firm: THE MAYER LLC

Street: 110 MAYER

City/State/Zip: MADISON, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: RYAN PLATH

Firm: ERM

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer Ave</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name <u>SR-MW-16A</u>	
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No.   DNR Well ID No.	
Facility ID		Lat. _____ " Long. _____ " or _____ " or _____ "		Date Well Installed <u>04/05/2019</u> m m d d y y y y	
Type of Well		St. Plane <u>450</u> ft. N, <u>140</u> ft. E. S/C/N		Well Installed By: Name (first, last) and Firm <u>Matt Feasler</u> <u>Geoseve</u>	
Well Code <u>11, MW</u>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W			
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known		Gov. Lot Number _____	
Enf. Stds. Apply <input type="checkbox"/>					

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL  
B. Well casing, top elevation \_\_\_\_\_ ft. MSL  
C. Land surface elevation \_\_\_\_\_ ft. MSL  
D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
GP  GM  GC  GW  SW  SP   
SM  SC  ML  MH  CL  CH   
Bedrock

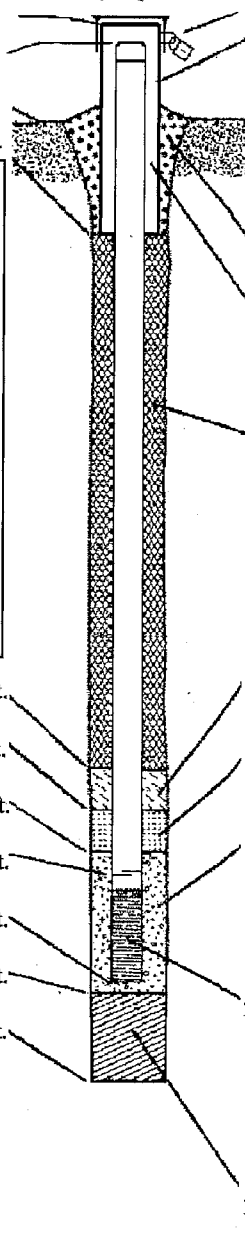
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
Hollow Stem Auger  41  
Other

15. Drilling fluid used: Water  02 Air  01  
Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
\_\_\_\_\_



- Cap and lock?  Yes  No
- Protective cover pipe:
  - Inside diameter: 8 in.
  - Length: 1 ft.
  - Material: Steel  04  
Other  Flush metal cover
  - Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- Surface seal: Bentonite  70  
Concrete  01  
Other
- Material between well casing and protective pipe: Bentonite  30  
Other
- Annular space seal:
  - Granular/Chipped Bentonite  33
  - \_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  35
  - \_\_\_\_ Lbs/gal mud weight . . . . . Bentonite slurry  31
  - \_\_\_\_ % Bentonite . . . . . Bentonite-cement grout  50
  - \_\_\_\_ Ft<sup>3</sup> volume added for any of the above
  - How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- Bentonite seal:
  - Bentonite granules  33
  - 1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - Other
- Fine sand material: Manufacturer, product name & mesh size
  - \_\_\_\_\_
  - Volume added \_\_\_\_\_ ft<sup>3</sup>
- Filter pack material: Manufacturer, product name & mesh size
  - #5 sand
  - Volume added 5 ft<sup>3</sup>
- Well casing: Flush threaded PVC schedule 40  23  
Flush threaded PVC schedule 80  24  
Other
- Screen material: PVC
  - Screen type: Factory cut  11  
Continuous slot  01  
Other
  - Manufacturer \_\_\_\_\_
  - Slot size: 0.01 in.
  - Slotted length: 10 ft.
- Backfill material (below filter pack): None  14  
Other

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or 0 ft.  
F. Fine sand, top \_\_\_\_\_ ft. MSL or 7 ft.  
G. Filter pack, top \_\_\_\_\_ ft. MSL or 7 ft.  
H. Screen joint, top \_\_\_\_\_ ft. MSL or 9 ft.  
I. Well bottom \_\_\_\_\_ ft. MSL or 19 ft.  
J. Filter pack, bottom \_\_\_\_\_ ft. MSL or 19 ft.  
K. Borehole, bottom \_\_\_\_\_ ft. MSL or 19 ft.  
L. Borehole, diameter 8.25 in.  
M. O.D. well casing 2.375 in.  
N. I.D. well casing 2 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm ERM

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer LLC</u>	County Name <u>DANE</u>	Well Name <u>SR-MW-16A</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>WB515</u>
		DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other \_\_\_\_\_
3. Time spent developing well \_\_\_\_\_ 25 min.
4. Depth of well (from top of well casing) \_\_\_\_\_ 19.0 ft.
5. Inside diameter of well \_\_\_\_\_ 2.00 in.
6. Volume of water in filter pack and well casing \_\_\_\_\_ 11.9 gal.
7. Volume of water removed from well \_\_\_\_\_ 90.0 gal.
8. Volume of water added (if any) \_\_\_\_\_ gal.
9. Source of water added \_\_\_\_\_
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NA

- |  | Before Development   | After Development  |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. _____ <u>3.50</u> ft.   | _____ <u>6.40</u> ft.  |
| Date   | b. <u>04/30/2019</u><br>m m d d y y y y  | <u>04/30/2019</u><br>m m d d y y y y   |
| Time   | c. <u>11:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.                 | <u>12:45</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.                    |
| 12. Sediment in well bottom                  | _____ inches   | _____ inches   |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) _____ | Clear <input checked="" type="checkbox"/> 20<br>Turbid <input type="checkbox"/> 25<br>(Describe) _____ |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l
15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATH

Firm: ERM

17. Additional comments on development:  
Surged with pump

Name and Address of Facility Contact/Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Facility/Firm: 910 Mayer LLC

Street: 910 Mayer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: RYAN PLATH

Firm: ERM

NOTE: See instructions for more information including a list of county codes and well type codes.



Facility/Project Name <b>910 Mayer Ave</b>		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name <b>SR-MW-16B</b>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. _____ DNR Well ID No. _____	
Facility ID		St. Plane <b>405 23 27</b> ft. N, _____ ft. E. S/C/N		Date Well Installed <b>04/05/2019</b> m m d d y y v v v y	
Type of Well Well Code <b>12, PZ</b>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <b>Math Pelsgrave</b> <b>Geosolve</b>	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known		Gov. Lot Number _____	

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL  
 B. Well casing, top elevation \_\_\_\_\_ ft. MSL  
 C. Land surface elevation \_\_\_\_\_ ft. MSL  
 D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

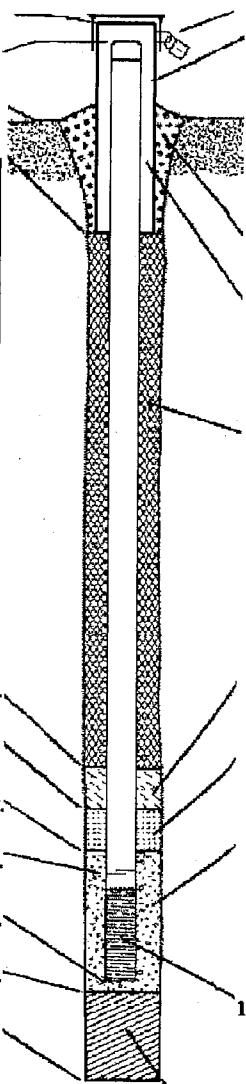
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
 Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required): \_\_\_\_\_



1. Cap and lock?  Yes  No

2. Protective cover pipe:  
 a. Inside diameter: \_\_\_\_\_ in. **8**  
 b. Length: \_\_\_\_\_ ft. **1**  
 c. Material: Steel  04  
 Flush mount cover  Other   
 d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_

3. Surface seal: Bentonite  30  
 Concrete  01  
 Other

4. Material between well casing and protective pipe:  
 Bentonite  30  
 Other

5. Annular space seal:  
 a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
 e. **3.5** Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08  
**5 bags**

6. Bentonite seal:  
 a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other

7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
 a. **#5 sand** **5 bags**  
 b. Volume added **2.5** ft<sup>3</sup>

9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other

10. Screen material: **PVC**  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer \_\_\_\_\_  
 c. Slot size: \_\_\_\_\_ 0.01 in.  
 d. Slotted length: **10** ft.

11. Backfill material (below filter pack): None  14  
 Other

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or **0** ft.  
 F. Fine sand, top \_\_\_\_\_ ft. MSL or **38** ft.  
 G. Filter pack, top \_\_\_\_\_ ft. MSL or **38** ft.  
 H. Screen joint, top \_\_\_\_\_ ft. MSL or **40** ft.  
 I. Well bottom \_\_\_\_\_ ft. MSL or **50** ft.  
 J. Filter pack, bottom \_\_\_\_\_ ft. MSL or **50** ft.  
 K. Borehole, bottom \_\_\_\_\_ ft. MSL or **50** ft.  
 L. Borehole, diameter **8.25** in.  
 M. O.D. well casing **2.375** in.  
 N. I.D. well casing **2** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
 Signature **[Signature]** Firm **FRM**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Moyer LLC</u>	County Name <u>DAVE</u>	Well Name <u>SR-MW-16B</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>WBS1C</u>
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other

3. Time spent developing well 135 min.

4. Depth of well (from top of well casing) 50.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 17.0 gal.

7. Volume of water removed from well 120.0 gal.

8. Volume of water added (if any) \_\_\_\_\_ gal.

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NA

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>3.16</u> ft.	<u>16.70</u> ft.
Date	b. <u>04/30/2019</u> m m d d y y y y	<u>04/30/2019</u> m m d d y y y y
Time	c. <u>8:45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATH

Firm: ERM

17. Additional comments on development:  
Surged with pump

Name and Address of Facility Contact/Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Facility/Firm: 910 Moyer LLC

Street: 910 Moyer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: RYAN PLATH

Firm: ERM

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to:  Watershed/Wastewater  Waste Management   
 Remediation/Redevelopment  Other

Facility/Project Name <b>910 Mayer AVE</b>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name <b>TS-MW-17A</b>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <b>WV2517</b> DNR Well ID No.	
Facility ID		Lat. " Long. " or "		Date Well Installed <b>24/25/2019</b> m m d d y y y y	
Type of Well Well Code <b>11 / MW</b>		St. Plane <b>75 ft. N. 170 ft. E. S/C/N</b>		Well Installed By: Name (first, last) and Firm <b>ALVIN ANDERSON</b>	
Distance from Waste/Source ft.		Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N. R. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Installed By: Name (first, last) and Firm <b>Cascade Drilling</b>	
Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known		Gov. Lot Number	

A. Protective pipe, top elevation --- ft. MSL  
B. Well casing, top elevation --- ft. MSL  
C. Land surface elevation --- ft. MSL  
D. Surface seal, bottom --- ft. MSL or --- ft.

12. USCS classification of soil near screen:  
GP  GM  GC  GW  SW  SP   
SM  SC  ML  MH  CL  CH   
Bedrock

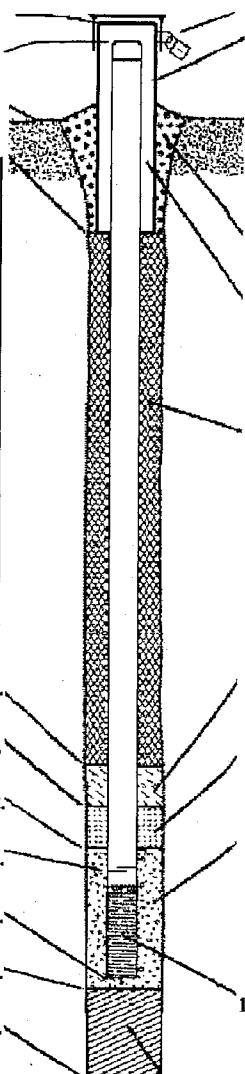
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
Hollow Stem Auger  41  
**SONIC** Other

15. Drilling fluid used: Water  02 Air  01  
Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
**City of Madison water**



- Cap and lock?  Yes  No
- Protective cover pipe:
  - Inside diameter: --- 8 in.
  - Length: --- 1 ft.
  - Material: Steel  04  
**Flush Mount Cover** Other
  - Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- Surface seal: Bentonite  30  
Concrete  01  
Other
- Material between well casing and protective pipe: Bentonite  30  
Other
- Annular space seal:
  - Granular/Chipped Bentonite  33
  - Lbs/gal mud weight ... Bentonite-sand slurry  35
  - Lbs/gal mud weight ... Bentonite slurry  31
  - % Bentonite ... Bentonite-cement grout  50
  - Ft<sup>3</sup> volume added for any of the above
  - How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- Bentonite seal:
  - Bentonite granules  33
  - 1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - Other
- Filter pack material: **Green G10 - Play Box sand** Manufacturer, product name & mesh size
  - Volume added **5.5** ft<sup>3</sup>
- Filter pack material: **Red Flint sand and gravel - Filter and Industrial Sands** Manufacturer, product name & mesh size
  - Volume added **2.75** ft<sup>3</sup>
- Well casing: Flush threaded PVC schedule 40  23  
Flush threaded PVC schedule 80  24  
Other
- Screen material: **PVC**
  - Screen type: Factory cut  11  
Continuous slot  01  
Other
  - Manufacturer **Johnson**
  - Slot size: **0.010** in.
  - Slotted length: **10** ft.
- Backfill material (below filter pack): None  14  
Other

E. Bentonite seal, top --- ft. MSL or **1** ft.  
F. Fine sand, top --- ft. MSL or **2** ft.  
G. Filter pack, top --- ft. MSL or **3** ft.  
H. Screen joint, top --- ft. MSL or **4** ft.  
I. Well bottom --- ft. MSL or **14** ft.  
J. Filter pack, bottom --- ft. MSL or **14** ft.  
K. Borehole, bottom --- ft. MSL or **14** ft.  
L. Borehole, diameter --- **6** in.  
M. O.D. well casing --- **2.375** in.  
N. I.D. well casing --- **2** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
Signature **[Signature]** Firm **ERM**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer LLC</u>	County Name <u>DANE</u>	Well Name <u>TS-MW-17A</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>WBS12</u>
		DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other \_\_\_\_\_

3. Time spent developing well 110 min.

4. Depth of well (from top of well casing) 14.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 12.3 gal.

7. Volume of water removed from well 25.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NA

17. Additional comments on development:

purged with pump

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>2.90</u> ft.	<u>5.46</u> ft.
Date	b. <u>04/26/2019</u> m m d d y y y y	<u>04/26/2019</u> m m d d y y y y
Time	c. <u>9:40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) _____	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATH

Firm: ERM

Name and Address of Facility Contact/Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Name: \_\_\_\_\_

Facility/Firm: 910 Mayer LLC

Street: 910 Mayer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: RYAN PLATH

Firm: ERM

Facility/Project Name		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name	
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/>		Wis. Unique Well No. <u>W 12515</u> DNR Well ID No.	
Facility ID		Lat. _____ " Long. _____ "		Date Well Installed	
Type of Well		St. Plane <u>2437.00</u> ft. N, <u>2140.00</u> ft. E. S/C/N		Well Installed By: Name (first, last) and Firm	
Well Code _____ / _____		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W			
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	
Enf. Stds. Apply <input type="checkbox"/>					

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL  
 B. Well casing, top elevation \_\_\_\_\_ ft. MSL  
 C. Land surface elevation \_\_\_\_\_ ft. MSL  
 D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

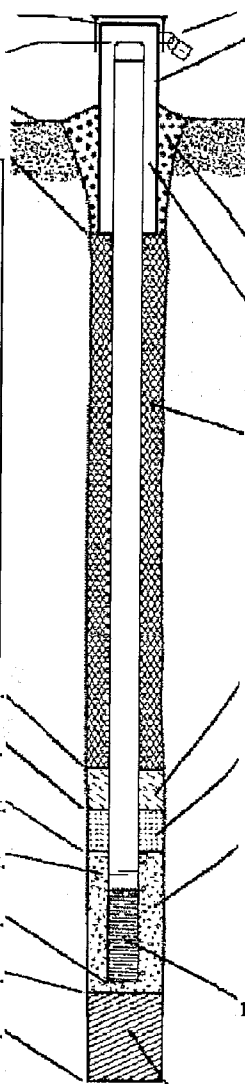
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  5 0  
 Hollow Stem Auger  4 1  
 Other

15. Drilling fluid used: Water  0 2 Air  0 1  
 Drilling Mud  0 3 None  9 9

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
 \_\_\_\_\_



1. Cap and lock?  Yes  No

2. Protective cover pipe:  
 a. Inside diameter: \_\_\_\_\_ in.  
 b. Length: \_\_\_\_\_ ft.  
 c. Material: Steel  0 4  
Flush mount cover Other   
 d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_

3. Surface seal: Bentonite  3 0  
 Concrete  0 1  
 Other

4. Material between well casing and protective pipe:  
 Bentonite  3 0  
 Other

5. Annular space seal:  
 a. Granular/Chipped Bentonite  3 3  
 b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  3 5  
 c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  3 1  
 d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  5 0  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  0 1  
 Tremie pumped  0 2  
 Gravity  0 8

6. Bentonite seal:  
 a. Bentonite granules  3 3  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  3 2  
 c. \_\_\_\_\_ Other

7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

9. Well casing: Flush threaded PVC schedule 40  2 3  
 Flush threaded PVC schedule 80  2 4  
 Other

10. Screen material:  
 a. Screen type: Factory cut  1 1  
 Continuous slot  0 1  
 Other   
 b. Manufacturer \_\_\_\_\_  
 c. Slot size: \_\_\_\_\_ in.  
 d. Slotted length: \_\_\_\_\_ ft.

11. Backfill material (below filter pack): None  1 4  
 Other

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 G. Filter pack, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 H. Screen joint, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 I. Well bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 K. Borehole, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 L. Borehole, diameter 6 in.  
 M. O.D. well casing \_\_\_\_\_ in.  
 N. I.D. well casing \_\_\_\_\_ in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
 Signature \_\_\_\_\_ Firm \_\_\_\_\_

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer LLC</u>	County Name <u>DANE</u>	Well Name <u>TS-MW-17B</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>W1510</u>
		DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 25 min.
4. Depth of well (from top of well casing) 99.0 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 22.7 gal.
7. Volume of water removed from well 150.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added \_\_\_\_\_
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NA

- |  | Before Development   | After Development  |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>3.56</u> ft.   | <u>14.95</u> ft.   |
| Date   | b. <u>04/26/2019</u><br>m m d d y y y y  | <u>04/26/2019</u><br>m m d d y y y y   |
| Time   | c. <u>8:10</u> <input checked="" type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.       | <u>9:25</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.                     |
| 12. Sediment in well bottom                  | _____ inches   | _____ inches   |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) _____ | Clear <input checked="" type="checkbox"/> 20<br>Turbid <input type="checkbox"/> 25<br>(Describe) _____ |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l
15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATA

Firm: ERM

17. Additional comments on development:  
purged with pump

Name and Address of Facility Contact/Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Facility/Firm: 910 Mayer LLC

Street: 910 Mayer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

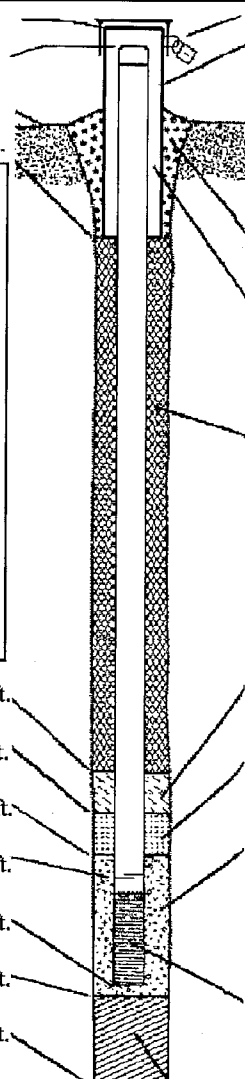
Signature: [Signature]

Print Name: RYAN PLATA

Firm: ERM

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Mayer AVE</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>TS-MW-17C</u>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <u>W15-1</u> DNR Well ID No.	
Facility ID		Lat. _____ " Long. _____ "		Date Well Installed <u>8/24/2019</u> m d d y v v y	
Type of Well Well Code <u>12/PZ</u>		St. Plane <u>2497.25</u> ft. N. <u>2195.0</u> ft. E. S/C/N		Well Installed By: Name (first, last) and Firm <u>ALVIN ANDERSON</u> <u>Cascade Drilling</u>	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known		Gov. Lot Number _____	

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Sonic</u> Other <input checked="" type="checkbox"/></p> <p>15. Drilling fluid used: Water <input checked="" type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____</p> <p>17. Source of water (attach analysis, if required): <u>City of Madison water</u></p> </div> <p>E. Bentonite seal, top _____ ft. MSL or <u>245</u> ft.</p> <p>F. Fine sand, top _____ ft. MSL or <u>246</u> ft.</p> <p>G. Filter pack, top _____ ft. MSL or <u>248</u> ft.</p> <p>H. Screen joint, top _____ ft. MSL or <u>250</u> ft.</p> <p>I. Well bottom _____ ft. MSL or <u>255</u> ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or <u>255</u> ft.</p> <p>K. Borehole, bottom _____ ft. MSL or <u>255</u> ft.</p> <p>L. Borehole, diameter <u>4" 158.5 - 255</u> in. 10" - 0" - 150"</p> <p>M. O.D. well casing <u>2.375</u> in.</p> <p>N. I.D. well casing <u>2</u> in.</p>	 <p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. <u>8</u> b. Length: _____ ft. <u>1</u> c. Material: Steel <input type="checkbox"/> 04 <u>Flush mount cover</u> Other <input checked="" type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other _____</p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other _____</p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. <u>10</u> Lbs/gal mud weight ... Bentonite slurry <input checked="" type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. <u>10.5</u> Ft<sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input checked="" type="checkbox"/> 02 Gravity <input type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name &amp; mesh size a. <u>Green-Glo Play Box Sand</u> b. Volume added <u>0.5</u> ft<sup>3</sup></p> <p>8. Filter pack material: Manufacturer, product name &amp; mesh size a. <u>Red Flint Sand &amp; Gravel</u> Filter and Industrial Sands b. Volume added <u>1</u> ft<sup>3</sup></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 24 <u>second 6" steel casing to 150'</u> Other <input checked="" type="checkbox"/></p> <p>10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer <u>JOHNSON</u> c. Slot size: _____ 0.01 in. d. Slotted length: _____ 5 ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/></p>
---	---

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm ERM

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>910 Meyer Ave</u>	County Name <u>Dane</u>	Well Name <u>TS-MW-17C</u>	
Facility License, Permit or Monitoring Number	County Code <u>12</u>	Wis. Unique Well Number <u>W8579</u>	DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other  \_\_\_\_\_
3. Time spent developing well 105 min.
4. Depth of well (from top of well casing) 255.5 ft.
5. Inside diameter of well 3.5 in.
6. Volume of water in filter pack and well casing 42.6 gal.
7. Volume of water removed from well 380.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added \_\_\_\_\_
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)  
NA

- |  | Before Development  | After Development  |
|--|---|--|
| 11. Depth to Water (from top of well casing) | a. <u>12.5</u> ft.  | <u>20.5</u> ft.  |
| Date   | b. <u>04/25/2019</u>  | <u>04/23/2019</u>  |
| Time   | c. <u>1:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.       | <u>3:15</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.                     |
| 12. Sediment in well bottom                  | _____ inches  | _____ inches   |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input type="checkbox"/> 15<br>(Describe) _____ | Clear <input checked="" type="checkbox"/> 20<br>Turbid <input type="checkbox"/> 25<br>(Describe) _____ |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l
15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: RYAN Last Name: PLATT

Firm: FPM

17. Additional comments on development:  
Surged with pump

Name and Address of Facility Contact/Owner/Responsible Party

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Facility/Firm: 910 Meyer LLC

Street: 910 Meyer

City/State/Zip: Madison, WI 53704

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: Ryan Platt

Firm: FPM

NOTE: See instructions for more information including a list of county codes and well type codes.



**ATTACHMENT B**  
**LABORATORY ANALYTICAL**

April 23, 2019

Ryan Plath  
ERM, INC.  
700 W. Virginia Street  
Suite 601  
Milwaukee, WI 53204

RE: Project: 0441161 OSCAR-MAYER  
Pace Project No.: 40186131

Dear Ryan Plath:

Enclosed are the analytical results for sample(s) received by the laboratory on April 19, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: David deCourcy-Bower, ERM, Inc.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40186131001	TS-VAS-001-WG-155-157-20190418	Water	04/18/19 09:30	04/19/19 08:25
40186131002	TS-VAS-001-WG-145-147-20190417	Water	04/17/19 17:00	04/19/19 08:25

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40186131001	TS-VAS-001-WG-155-157-20190418	EPA 8260	HNW	64	PASI-G
40186131002	TS-VAS-001-WG-145-147-20190417	EPA 8260	HNW	64	PASI-G

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

**Sample:** TS-VAS-001-WG-155-157-20190418    **Lab ID:** 40186131001    Collected: 04/18/19 09:30    Received: 04/19/19 08:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/23/19 01:57	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/23/19 01:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/23/19 01:57	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/23/19 01:57	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/23/19 01:57	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/23/19 01:57	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/23/19 01:57	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/23/19 01:57	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/23/19 01:57	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/23/19 01:57	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/23/19 01:57	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/23/19 01:57	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/23/19 01:57	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 01:57	95-50-1	
1,2-Dichloroethane	705	ug/L	10.0	2.8	10		04/23/19 08:46	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/23/19 01:57	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/23/19 01:57	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/23/19 01:57	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/23/19 01:57	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/23/19 01:57	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/23/19 01:57	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/23/19 01:57	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/23/19 01:57	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/23/19 01:57	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/23/19 01:57	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/23/19 01:57	74-97-5	
Bromodichloromethane	0.91J	ug/L	1.2	0.36	1		04/23/19 01:57	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/23/19 01:57	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/23/19 01:57	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/23/19 01:57	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 01:57	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/23/19 01:57	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/23/19 01:57	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/23/19 01:57	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/23/19 01:57	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/23/19 01:57	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/23/19 01:57	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/23/19 01:57	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/23/19 01:57	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/23/19 01:57	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/23/19 01:57	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/23/19 01:57	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/23/19 01:57	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/23/19 01:57	91-20-3	
Styrene	1.9	ug/L	1.6	0.47	1		04/23/19 01:57	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

**Sample:** TS-VAS-001-WG-155-157-20190418    **Lab ID:** 40186131001    Collected: 04/18/19 09:30    Received: 04/19/19 08:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/23/19 01:57	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/23/19 01:57	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/23/19 01:57	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/23/19 01:57	75-69-4	
Vinyl chloride	<b>0.66J</b>	ug/L	1.0	0.17	1		04/23/19 01:57	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/23/19 01:57	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/23/19 01:57	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/23/19 01:57	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 01:57	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/23/19 01:57	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/23/19 01:57	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/23/19 01:57	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/23/19 01:57	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/23/19 01:57	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/23/19 01:57	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/23/19 01:57	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		04/23/19 01:57	460-00-4	HS,pH
Dibromofluoromethane (S)	98	%	70-130		1		04/23/19 01:57	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/23/19 01:57	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

**Sample:** TS-VAS-001-WG-145-147-20190417    **Lab ID:** 40186131002    Collected: 04/17/19 17:00    Received: 04/19/19 08:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/23/19 00:31	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/23/19 00:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/23/19 00:31	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/23/19 00:31	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/23/19 00:31	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/23/19 00:31	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/23/19 00:31	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/23/19 00:31	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/23/19 00:31	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/23/19 00:31	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/23/19 00:31	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/23/19 00:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/23/19 00:31	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 00:31	95-50-1	
1,2-Dichloroethane	33.6	ug/L	1.0	0.28	1		04/23/19 00:31	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/23/19 00:31	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/23/19 00:31	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/23/19 00:31	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/23/19 00:31	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/23/19 00:31	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/23/19 00:31	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/23/19 00:31	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/23/19 00:31	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/23/19 00:31	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/23/19 00:31	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/23/19 00:31	74-97-5	
Bromodichloromethane	2.7	ug/L	1.2	0.36	1		04/23/19 00:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/23/19 00:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/23/19 00:31	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/23/19 00:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 00:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/23/19 00:31	75-00-3	
Chloroform	2.1J	ug/L	5.0	1.3	1		04/23/19 00:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/23/19 00:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/23/19 00:31	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/23/19 00:31	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/23/19 00:31	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/23/19 00:31	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/23/19 00:31	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/23/19 00:31	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/23/19 00:31	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/23/19 00:31	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/23/19 00:31	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/23/19 00:31	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/23/19 00:31	100-42-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

**Sample:** TS-VAS-001-WG-145-147-20190417    **Lab ID:** 40186131002    Collected: 04/17/19 17:00    Received: 04/19/19 08:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/23/19 00:31	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/23/19 00:31	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/23/19 00:31	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/23/19 00:31	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/23/19 00:31	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/23/19 00:31	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/23/19 00:31	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/23/19 00:31	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 00:31	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/23/19 00:31	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/23/19 00:31	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/23/19 00:31	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/23/19 00:31	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/23/19 00:31	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/23/19 00:31	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/23/19 00:31	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/23/19 00:31	460-00-4	pH
Dibromofluoromethane (S)	92	%	70-130		1		04/23/19 00:31	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/23/19 00:31	2037-26-5	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

QC Batch: 319012 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40186131001, 40186131002

METHOD BLANK: 1854208 Matrix: Water

Associated Lab Samples: 40186131001, 40186131002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/22/19 17:42	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/22/19 17:42	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/22/19 17:42	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/22/19 17:42	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/22/19 17:42	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/22/19 17:42	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/22/19 17:42	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	04/22/19 17:42	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/22/19 17:42	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/22/19 17:42	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/22/19 17:42	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/22/19 17:42	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/22/19 17:42	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/22/19 17:42	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/22/19 17:42	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/22/19 17:42	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/22/19 17:42	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/22/19 17:42	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/22/19 17:42	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/22/19 17:42	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/22/19 17:42	
2-Chlorotoluene	ug/L	<0.93	5.0	04/22/19 17:42	
4-Chlorotoluene	ug/L	<0.76	2.5	04/22/19 17:42	
Benzene	ug/L	<0.25	1.0	04/22/19 17:42	
Bromobenzene	ug/L	<0.24	1.0	04/22/19 17:42	
Bromochloromethane	ug/L	<0.36	5.0	04/22/19 17:42	
Bromodichloromethane	ug/L	<0.36	1.2	04/22/19 17:42	
Bromoform	ug/L	<4.0	13.2	04/22/19 17:42	
Bromomethane	ug/L	<0.97	5.0	04/22/19 17:42	
Carbon tetrachloride	ug/L	<0.17	1.0	04/22/19 17:42	
Chlorobenzene	ug/L	<0.71	2.4	04/22/19 17:42	
Chloroethane	ug/L	<1.3	5.0	04/22/19 17:42	
Chloroform	ug/L	<1.3	5.0	04/22/19 17:42	
Chloromethane	ug/L	<2.2	7.3	04/22/19 17:42	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/22/19 17:42	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/22/19 17:42	
Dibromochloromethane	ug/L	<2.6	8.7	04/22/19 17:42	
Dibromomethane	ug/L	<0.94	3.1	04/22/19 17:42	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/22/19 17:42	
Diisopropyl ether	ug/L	<1.9	6.3	04/22/19 17:42	
Ethylbenzene	ug/L	<0.22	1.0	04/22/19 17:42	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

METHOD BLANK: 1854208

Matrix: Water

Associated Lab Samples: 40186131001, 40186131002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	04/22/19 17:42	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	04/22/19 17:42	
m&p-Xylene	ug/L	<0.47	2.0	04/22/19 17:42	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/22/19 17:42	
Methylene Chloride	ug/L	<0.58	5.0	04/22/19 17:42	
n-Butylbenzene	ug/L	<0.71	2.4	04/22/19 17:42	
n-Propylbenzene	ug/L	<0.81	5.0	04/22/19 17:42	
Naphthalene	ug/L	<1.2	5.0	04/22/19 17:42	
o-Xylene	ug/L	<0.26	1.0	04/22/19 17:42	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/22/19 17:42	
sec-Butylbenzene	ug/L	<0.85	5.0	04/22/19 17:42	
Styrene	ug/L	<0.47	1.6	04/22/19 17:42	
tert-Butylbenzene	ug/L	<0.30	1.0	04/22/19 17:42	
Tetrachloroethene	ug/L	<0.33	1.1	04/22/19 17:42	
Toluene	ug/L	<0.17	5.0	04/22/19 17:42	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	04/22/19 17:42	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/22/19 17:42	
Trichloroethene	ug/L	<0.26	1.0	04/22/19 17:42	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/22/19 17:42	
Vinyl chloride	ug/L	<0.17	1.0	04/22/19 17:42	
4-Bromofluorobenzene (S)	%	90	70-130	04/22/19 17:42	
Dibromofluoromethane (S)	%	97	70-130	04/22/19 17:42	
Toluene-d8 (S)	%	98	70-130	04/22/19 17:42	

LABORATORY CONTROL SAMPLE: 1854209

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.8	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	70-130	
1,1,2-Trichloroethane	ug/L	50	51.4	103	70-130	
1,1-Dichloroethane	ug/L	50	56.4	113	73-150	
1,1-Dichloroethene	ug/L	50	52.5	105	73-138	
1,2,4-Trichlorobenzene	ug/L	50	53.3	107	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.0	94	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	52.5	105	70-130	
1,2-Dichlorobenzene	ug/L	50	53.6	107	70-130	
1,2-Dichloroethane	ug/L	50	50.3	101	75-140	
1,2-Dichloropropane	ug/L	50	47.5	95	73-135	
1,3-Dichlorobenzene	ug/L	50	51.2	102	70-130	
1,4-Dichlorobenzene	ug/L	50	52.9	106	70-130	
Benzene	ug/L	50	50.4	101	70-130	
Bromodichloromethane	ug/L	50	52.6	105	70-130	
Bromoform	ug/L	50	49.4	99	68-129	
Bromomethane	ug/L	50	42.4	85	18-159	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

LABORATORY CONTROL SAMPLE: 1854209

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	53.9	108	70-130	
Chlorobenzene	ug/L	50	54.7	109	70-130	
Chloroethane	ug/L	50	45.3	91	53-147	
Chloroform	ug/L	50	48.7	97	74-136	
Chloromethane	ug/L	50	28.7	57	29-115	
cis-1,2-Dichloroethene	ug/L	50	48.4	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	43.3	87	70-130	
Dibromochloromethane	ug/L	50	53.9	108	70-130	
Dichlorodifluoromethane	ug/L	50	29.8	60	10-130	
Ethylbenzene	ug/L	50	55.9	112	80-124	
Isopropylbenzene (Cumene)	ug/L	50	53.5	107	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	49.6	99	54-137	
Methylene Chloride	ug/L	50	55.2	110	73-138	
o-Xylene	ug/L	50	56.9	114	70-130	
Styrene	ug/L	50	52.4	105	70-130	
Tetrachloroethene	ug/L	50	54.8	110	70-130	
Toluene	ug/L	50	53.5	107	80-126	
trans-1,2-Dichloroethene	ug/L	50	56.8	114	73-145	
trans-1,3-Dichloropropene	ug/L	50	44.0	88	70-130	
Trichloroethene	ug/L	50	53.1	106	70-130	
Trichlorofluoromethane	ug/L	50	53.0	106	76-147	
Vinyl chloride	ug/L	50	38.8	78	51-120	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854427 1854428

Parameter	Units	40186143002		MSD		MSD		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	<0.00024 mg/L	50	50	51.4	50.7	103	101	70-130	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.00028 mg/L	50	50	47.9	47.7	96	95	70-130	0	20		
1,1,2-Trichloroethane	ug/L	<0.00055 mg/L	50	50	51.3	48.3	103	97	70-137	6	20		
1,1-Dichloroethane	ug/L	<0.00027 mg/L	50	50	55.6	55.6	111	111	73-153	0	20		
1,1-Dichloroethene	ug/L	<0.00024 mg/L	50	50	54.5	54.7	109	109	73-138	0	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	57.3	57.5	115	115	70-130	0	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	50.9	52.9	102	106	58-129	4	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.8	51.7	106	103	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	53.3	54.3	107	109	70-130	2	20		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR-MAYER  
Pace Project No.: 40186131

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854427		1854428		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40186143002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichloroethane	ug/L	<0.00028 mg/L	50	50	49.5	48.8	99	98	75-140	1	20		
1,2-Dichloropropane	ug/L	<0.00028 mg/L	50	50	48.2	48.4	96	97	71-138	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	52.6	52.5	105	105	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.3	51.2	103	102	70-130	0	20		
Benzene	ug/L	0.00028J mg/L	50	50	50.2	49.8	100	99	70-130	1	20		
Bromodichloromethane	ug/L	<0.00036 mg/L	50	50	52.0	51.4	104	103	70-130	1	20		
Bromoform	ug/L	<0.0040 mg/L	50	50	49.6	48.2	99	96	68-129	3	20		
Bromomethane	ug/L	<0.00097 mg/L	50	50	44.2	45.6	88	91	15-170	3	20		
Carbon tetrachloride	ug/L	<0.00017 mg/L	50	50	56.2	54.1	112	108	70-130	4	20		
Chlorobenzene	ug/L	<0.00071 mg/L	50	50	53.7	53.6	107	107	70-130	0	20		
Chloroethane	ug/L	<0.0013 mg/L	50	50	48.7	47.9	97	96	51-148	2	20		
Chloroform	ug/L	<0.0013 mg/L	50	50	48.5	47.2	97	94	74-136	3	20		
Chloromethane	ug/L	<0.0022 mg/L	50	50	32.7	32.6	65	65	23-115	0	20		
cis-1,2-Dichloroethene	ug/L	<0.00027 mg/L	50	50	48.1	47.6	96	95	70-131	1	20		
cis-1,3-Dichloropropene	ug/L	<0.0036 mg/L	50	50	44.5	44.1	89	88	70-130	1	20		
Dibromochloromethane	ug/L	<0.0026 mg/L	50	50	52.6	52.3	105	105	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	43.4	42.2	87	84	10-132	3	20		
Ethylbenzene	ug/L	<0.00022 mg/L	50	50	56.6	55.2	113	110	80-125	2	20		
Isopropylbenzene (Cumene)	ug/L	8.2	50	50	63.0	61.2	110	106	70-130	3	20		
m&p-Xylene	ug/L	<0.47	100	100	116	112	116	112	70-130	3	20		
Methyl-tert-butyl ether	ug/L	<0.0012 mg/L	50	50	48.6	50.3	97	101	51-145	3	20		
Methylene Chloride	ug/L	<0.00058 mg/L	50	50	55.4	54.6	111	109	73-140	2	20		
o-Xylene	ug/L	<0.26	50	50	57.7	56.3	115	112	70-130	3	20		
Styrene	ug/L	<0.00047 mg/L	50	50	52.0	51.2	104	102	70-130	2	20		
Tetrachloroethene	ug/L	<0.00033 mg/L	50	50	55.0	53.8	110	108	70-130	2	20		
Toluene	ug/L	<0.00017 mg/L	50	50	54.2	52.8	108	105	80-131	3	20		
trans-1,2-Dichloroethene	ug/L	<0.0011 mg/L	50	50	57.2	57.6	114	115	73-148	1	20		
trans-1,3-Dichloropropene	ug/L	<0.0044 mg/L	50	50	45.0	43.9	90	88	70-130	2	20		
Trichloroethene	ug/L	<0.00026 mg/L	50	50	54.6	52.3	109	105	70-130	4	20		

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

Parameter	Units	40186143002		1854427		1854428		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Trichlorofluoromethane	ug/L	<0.21	50	50	55.8	56.5	112	113	74-147	1	20			
Vinyl chloride	ug/L	<0.00017 mg/L	50	50	43.2	42.2	86	84	41-129	2	20			
4-Bromofluorobenzene (S)	%						97	96	70-130					
Dibromofluoromethane (S)	%						94	92	70-130					
Toluene-d8 (S)	%						98	98	70-130					

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## QUALIFIERS

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

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Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40186131001	TS-VAS-001-WG-155-157-20190418	EPA 8260	319012		
40186131002	TS-VAS-001-WG-145-147-20190417	EPA 8260	319012		

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(Please Print Clearly)

Company Name: **ERM**  
 Branch/Location: **MILWAUKEE**  
 Project Contact: **RYAN PLATH**  
 Phone: **847-848-4500**  
 Project Number: **0441161**  
 Project Name: **OSCAR - MAYER**  
 Project State: **WI**  
 Sampled By (Print): **RYAN PLATH**  
 Sampled By (Sign): *[Signature]*  
 PO #: **111**



### CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

FILTERED?  
 (YES/NO)  
 PRESERVATION  
 CODE: **WDNR**

#### Data Package Options

EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample

#### PAGE LAB # CLIENT FIELD ID

DATE	COLLECTION TIME	MATRIX
4/18/19	930	GW
4/17/19	1706	GW

#### Analyses Requested

Y/N	Pick Letter	ANALYSIS
N	B	VOC - 8260B
X		
X		

#### Quote #:

Mail To Contact:  
 Mail To Company:  
 Mail To Address:

Invoice To Contact:  
 Invoice To Company:  
 Invoice To Address:

Invoice To Phone:  
 CLIENT COMMENTS  
 LAB COMMENTS (Lab Use Only)

Northern Division Accounts  
 Payable@erm.com

Rush Turnaround Time Requested - Prelims  
 (Rush TAT subject to approval/surcharge)  
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1: **ryan.plath@erm.com**  
 Email #2: **ryan.plath@erm.com**  
 Telephone: **ERM.com**  
 Fax:

Samples on HOLD are subject to  
 special pricing and release of liability

#### PAGE Project No.

Receipt Temp = **70/86/131** °C  
 Sample Receipt pH  
 OK / Adjusted  
 Cooler Custody Seal  
 Present / Not Present  
 Intact / Not Intact

Client Name: ERM

### Sample Preservation Receipt Form

Project # 40186131

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Lab Lot# of pH paper:

Lab Std #/ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)		
001																																			2.5 / 5 / 10
002																																			2.5 / 5 / 10
003																																			2.5 / 5 / 10
004																																			2.5 / 5 / 10
005																																			2.5 / 5 / 10
006																																			2.5 / 5 / 10
007																																			2.5 / 5 / 10
008																																			2.5 / 5 / 10
009																																			2.5 / 5 / 10
010																																			2.5 / 5 / 10
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015																																			2.5 / 5 / 10
016																																			2.5 / 5 / 10
017																																			2.5 / 5 / 10
018																																			2.5 / 5 / 10
019																																			2.5 / 5 / 10
020																																			2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: Headspace in VOA Vials (>6mm):  Yes  No  N/A \*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	



1241 Bellevue Street, Green Bay, WI 54302

Document Name: Sample Condition Upon Receipt (SCUR)  
Document No.: F-GB-C-031-Rev.07

Document Revised: 25Apr2018  
Issuing Authority: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Client Name: ERM

Project #: **WO#: 40186131**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: 1905.041819

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - NA Type of Ice:  Wet  Blue  Dry  None

Cooler Temperature Uncorr: 201 / Corr: \_\_\_\_\_  Samples on ice, cooling process has begun

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Person examining contents:  
Date: 4/19/19  
Initials: [Signature]

Temp should be above freezing to 6°C.  
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>+ CC</u>	
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No mail</u>	
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:		8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		<u>001 Heavy Sediment</u>	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix: <u>W</u>			
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution: Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_ If checked, see attached form for additional comments   
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: [Signature]

Date: 04/19/19

April 18, 2019

Ryan Plath  
ERM, INC.  
700 W. Virginia Street  
Suite 601  
Milwaukee, WI 53204

RE: Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185495

Dear Ryan Plath:

Enclosed are the analytical results for sample(s) received by the laboratory on April 09, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40185495001	SR-MW-15-SO-5.5-6.5-20190408	Solid	04/08/19 10:20	04/09/19 10:40
40185495002	SR-MW-15-SO-4.5-5.5-20190408	Solid	04/08/19 10:20	04/09/19 10:40
40185495003	SR-SB-70-SO-2.5-3.5-20190408	Solid	04/08/19 15:15	04/09/19 10:40
40185495004	SR-SB-70-SO-1.5-2.5-20190408	Solid	04/08/19 15:15	04/09/19 10:40
40185495005	SR-SB-71-SO-1.0-2.0-20190408	Solid	04/08/19 15:50	04/09/19 10:40
40185495006	MEOH BLANK	Solid	04/08/19 00:00	04/09/19 10:40

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40185495001	SR-MW-15-SO-5.5-6.5-20190408	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185495002	SR-MW-15-SO-4.5-5.5-20190408	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185495003	SR-SB-70-SO-2.5-3.5-20190408	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185495004	SR-SB-70-SO-1.5-2.5-20190408	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185495005	SR-SB-71-SO-1.0-2.0-20190408	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185495006	MEOH BLANK	EPA 8260	MDS	64	PASI-G

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

Sample: SR-MW-15-SO-5.5-6.5-20190408 Lab ID: 40185495001 Collected: 04/08/19 10:20 Received: 04/09/19 10:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/10/19 08:00	04/10/19 14:45	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/10/19 08:00	04/10/19 14:45	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/10/19 08:00	04/10/19 14:45	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/10/19 08:00	04/10/19 14:45	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/10/19 08:00	04/10/19 14:45	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	103-65-1	W

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

**Sample:** SR-MW-15-SO-5.5-6.5-20190408      **Lab ID:** 40185495001      Collected: 04/08/19 10:20      Received: 04/09/19 10:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Styrene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	79-34-5	W
Tetrachloroethene	45.3J	ug/kg	75.7	31.5	1	04/10/19 08:00	04/10/19 14:45	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/10/19 08:00	04/10/19 14:45	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/10/19 08:00	04/10/19 14:45	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 14:45	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	108	%	57-148		1	04/10/19 08:00	04/10/19 14:45	1868-53-7	
Toluene-d8 (S)	115	%	58-142		1	04/10/19 08:00	04/10/19 14:45	2037-26-5	
4-Bromofluorobenzene (S)	107	%	48-130		1	04/10/19 08:00	04/10/19 14:45	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	20.7	%	0.10	0.10	1		04/17/19 14:13		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

Sample: SR-MW-15-SO-4.5-5.5-20190408 Lab ID: 40185495002 Collected: 04/08/19 10:20 Received: 04/09/19 10:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/10/19 08:00	04/10/19 15:08	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/10/19 08:00	04/10/19 15:08	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/10/19 08:00	04/10/19 15:08	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/10/19 08:00	04/10/19 15:08	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/10/19 08:00	04/10/19 15:08	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	103-65-1	W

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

**Sample:** SR-MW-15-SO-4.5-5.5-20190408    **Lab ID:** 40185495002    Collected: 04/08/19 10:20    Received: 04/09/19 10:40    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Styrene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	79-34-5	W
Tetrachloroethene	56.1J	ug/kg	75.3	31.4	1	04/10/19 08:00	04/10/19 15:08	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/10/19 08:00	04/10/19 15:08	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/10/19 08:00	04/10/19 15:08	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:08	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	98	%	57-148		1	04/10/19 08:00	04/10/19 15:08	1868-53-7	
Toluene-d8 (S)	101	%	58-142		1	04/10/19 08:00	04/10/19 15:08	2037-26-5	
4-Bromofluorobenzene (S)	94	%	48-130		1	04/10/19 08:00	04/10/19 15:08	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	20.4	%	0.10	0.10	1		04/17/19 14:13		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

Sample: SR-SB-70-SO-2.5-3.5-20190408 Lab ID: 40185495003 Collected: 04/08/19 15:15 Received: 04/09/19 10:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/10/19 08:00	04/10/19 15:31	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/10/19 08:00	04/10/19 15:31	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/10/19 08:00	04/10/19 15:31	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/10/19 08:00	04/10/19 15:31	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/10/19 08:00	04/10/19 15:31	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	103-65-1	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

**Sample:** SR-SB-70-SO-2.5-3.5-20190408      **Lab ID:** 40185495003      Collected: 04/08/19 15:15      Received: 04/09/19 10:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Styrene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/10/19 08:00	04/10/19 15:31	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	79-00-5	W
Trichloroethene	712	ug/kg	62.4	26.0	1	04/10/19 08:00	04/10/19 15:31	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/10/19 08:00	04/10/19 15:31	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:31	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	108	%	57-148		1	04/10/19 08:00	04/10/19 15:31	1868-53-7	
Toluene-d8 (S)	107	%	58-142		1	04/10/19 08:00	04/10/19 15:31	2037-26-5	
4-Bromofluorobenzene (S)	104	%	48-130		1	04/10/19 08:00	04/10/19 15:31	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	3.9	%	0.10	0.10	1		04/17/19 14:13		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

Sample: SR-SB-70-SO-1.5-2.5-20190408 Lab ID: 40185495004 Collected: 04/08/19 15:15 Received: 04/09/19 10:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/10/19 08:00	04/10/19 15:55	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/10/19 08:00	04/10/19 15:55	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/10/19 08:00	04/10/19 15:55	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/10/19 08:00	04/10/19 15:55	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/10/19 08:00	04/10/19 15:55	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	103-65-1	W

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

**Sample:** SR-SB-70-SO-1.5-2.5-20190408      **Lab ID:** 40185495004      Collected: 04/08/19 15:15      Received: 04/09/19 10:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Styrene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/10/19 08:00	04/10/19 15:55	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	79-00-5	W
Trichloroethene	346	ug/kg	62.6	26.1	1	04/10/19 08:00	04/10/19 15:55	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/10/19 08:00	04/10/19 15:55	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 15:55	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	107	%	57-148		1	04/10/19 08:00	04/10/19 15:55	1868-53-7	
Toluene-d8 (S)	114	%	58-142		1	04/10/19 08:00	04/10/19 15:55	2037-26-5	
4-Bromofluorobenzene (S)	106	%	48-130		1	04/10/19 08:00	04/10/19 15:55	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	4.2	%	0.10	0.10	1		04/17/19 14:13		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

Sample: SR-SB-71-SO-1.0-2.0-20190408 Lab ID: 40185495005 Collected: 04/08/19 15:50 Received: 04/09/19 10:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/10/19 08:00	04/10/19 16:18	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/10/19 08:00	04/10/19 16:18	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/10/19 08:00	04/10/19 16:18	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/10/19 08:00	04/10/19 16:18	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/10/19 08:00	04/10/19 16:18	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	103-65-1	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

Sample: **SR-SB-71-SO-1.0-2.0-20190408** Lab ID: **40185495005** Collected: 04/08/19 15:50 Received: 04/09/19 10:40 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Styrene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/10/19 08:00	04/10/19 16:18	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	79-00-5	W
Trichloroethene	87.4	ug/kg	63.6	26.5	1	04/10/19 08:00	04/10/19 16:18	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/10/19 08:00	04/10/19 16:18	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:18	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	101	%	57-148		1	04/10/19 08:00	04/10/19 16:18	1868-53-7	
Toluene-d8 (S)	101	%	58-142		1	04/10/19 08:00	04/10/19 16:18	2037-26-5	
4-Bromofluorobenzene (S)	97	%	48-130		1	04/10/19 08:00	04/10/19 16:18	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	5.6	%	0.10	0.10	1		04/17/19 14:13		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

Sample: **MEOH BLANK** Lab ID: **40185495006** Collected: 04/08/19 00:00 Received: 04/09/19 10:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/10/19 08:00	04/10/19 16:41	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/10/19 08:00	04/10/19 16:41	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/10/19 08:00	04/10/19 16:41	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/10/19 08:00	04/10/19 16:41	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/10/19 08:00	04/10/19 16:41	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	100-42-5	W

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

**Sample: MEOH BLANK**      **Lab ID: 40185495006**      Collected: 04/08/19 00:00      Received: 04/09/19 10:40      Matrix: Solid

*Results reported on a "wet-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/10/19 08:00	04/10/19 16:41	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/10/19 08:00	04/10/19 16:41	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/10/19 08:00	04/10/19 16:41	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	99	%	57-148		1	04/10/19 08:00	04/10/19 16:41	1868-53-7	
Toluene-d8 (S)	100	%	58-142		1	04/10/19 08:00	04/10/19 16:41	2037-26-5	
4-Bromofluorobenzene (S)	103	%	48-130		1	04/10/19 08:00	04/10/19 16:41	460-00-4	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185495

QC Batch: 317908 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Associated Lab Samples: 40185495001, 40185495002, 40185495003, 40185495004, 40185495005, 40185495006

METHOD BLANK: 1848079 Matrix: Solid  
Associated Lab Samples: 40185495001, 40185495002, 40185495003, 40185495004, 40185495005, 40185495006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/10/19 10:08	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/10/19 10:08	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/10/19 10:08	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/10/19 10:08	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/10/19 10:08	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/10/19 10:08	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/10/19 10:08	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	04/10/19 10:08	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/10/19 10:08	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/10/19 10:08	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/10/19 10:08	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/10/19 10:08	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/10/19 10:08	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/10/19 10:08	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/10/19 10:08	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/10/19 10:08	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/10/19 10:08	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/10/19 10:08	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/10/19 10:08	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/10/19 10:08	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/10/19 10:08	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/10/19 10:08	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/10/19 10:08	
Benzene	ug/kg	<9.2	20.0	04/10/19 10:08	
Bromobenzene	ug/kg	<20.6	50.0	04/10/19 10:08	
Bromochloromethane	ug/kg	<21.4	50.0	04/10/19 10:08	
Bromodichloromethane	ug/kg	<9.8	50.0	04/10/19 10:08	
Bromoform	ug/kg	<19.8	50.0	04/10/19 10:08	
Bromomethane	ug/kg	<69.9	250	04/10/19 10:08	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/10/19 10:08	
Chlorobenzene	ug/kg	<14.8	50.0	04/10/19 10:08	
Chloroethane	ug/kg	<67.0	250	04/10/19 10:08	
Chloroform	ug/kg	<46.4	250	04/10/19 10:08	
Chloromethane	ug/kg	<20.4	50.0	04/10/19 10:08	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/10/19 10:08	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/10/19 10:08	
Dibromochloromethane	ug/kg	<17.9	50.0	04/10/19 10:08	
Dibromomethane	ug/kg	<19.3	50.0	04/10/19 10:08	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/10/19 10:08	
Diisopropyl ether	ug/kg	<17.7	50.0	04/10/19 10:08	
Ethylbenzene	ug/kg	<12.4	50.0	04/10/19 10:08	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

METHOD BLANK: 1848079

Matrix: Solid

Associated Lab Samples: 40185495001, 40185495002, 40185495003, 40185495004, 40185495005, 40185495006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	04/10/19 10:08	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/10/19 10:08	
m&p-Xylene	ug/kg	<34.4	100	04/10/19 10:08	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/10/19 10:08	
Methylene Chloride	ug/kg	<16.2	50.0	04/10/19 10:08	
n-Butylbenzene	ug/kg	<10.5	50.0	04/10/19 10:08	
n-Propylbenzene	ug/kg	<11.6	50.0	04/10/19 10:08	
Naphthalene	ug/kg	<40.0	250	04/10/19 10:08	
o-Xylene	ug/kg	<14.0	50.0	04/10/19 10:08	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/10/19 10:08	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/10/19 10:08	
Styrene	ug/kg	<9.0	50.0	04/10/19 10:08	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/10/19 10:08	
Tetrachloroethene	ug/kg	<12.9	50.0	04/10/19 10:08	
Toluene	ug/kg	<11.2	50.0	04/10/19 10:08	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/10/19 10:08	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/10/19 10:08	
Trichloroethene	ug/kg	<23.6	50.0	04/10/19 10:08	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/10/19 10:08	
Vinyl chloride	ug/kg	<21.1	50.0	04/10/19 10:08	
4-Bromofluorobenzene (S)	%	100	48-130	04/10/19 10:08	
Dibromofluoromethane (S)	%	102	57-148	04/10/19 10:08	
Toluene-d8 (S)	%	108	58-142	04/10/19 10:08	

LABORATORY CONTROL SAMPLE: 1848080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2390	96	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2330	93	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2400	96	70-130	
1,1-Dichloroethane	ug/kg	2500	2410	96	67-132	
1,1-Dichloroethene	ug/kg	2500	2380	95	67-128	
1,2,4-Trichlorobenzene	ug/kg	2500	2530	101	51-131	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2120	85	49-117	
1,2-Dibromoethane (EDB)	ug/kg	2500	2620	105	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2520	101	70-130	
1,2-Dichloroethane	ug/kg	2500	2530	101	65-137	
1,2-Dichloropropane	ug/kg	2500	2410	97	75-126	
1,3-Dichlorobenzene	ug/kg	2500	2470	99	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2360	94	70-130	
Benzene	ug/kg	2500	2430	97	70-130	
Bromodichloromethane	ug/kg	2500	2340	93	70-130	
Bromoform	ug/kg	2500	2390	96	57-117	
Bromomethane	ug/kg	2500	3150	126	48-135	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

LABORATORY CONTROL SAMPLE: 1848080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2340	94	65-133	
Chlorobenzene	ug/kg	2500	2490	99	70-130	
Chloroethane	ug/kg	2500	2270	91	37-165	
Chloroform	ug/kg	2500	2420	97	72-126	
Chloromethane	ug/kg	2500	1860	74	34-120	
cis-1,2-Dichloroethene	ug/kg	2500	2400	96	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2360	95	69-130	
Dibromochloromethane	ug/kg	2500	2490	100	68-130	
Dichlorodifluoromethane	ug/kg	2500	1760	70	22-100	
Ethylbenzene	ug/kg	2500	2470	99	79-121	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
m&p-Xylene	ug/kg	5000	5120	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2430	97	66-129	
Methylene Chloride	ug/kg	2500	2370	95	68-129	
o-Xylene	ug/kg	2500	2510	101	70-130	
Styrene	ug/kg	2500	2650	106	70-130	
Tetrachloroethene	ug/kg	2500	2580	103	70-130	
Toluene	ug/kg	2500	2450	98	80-123	
trans-1,2-Dichloroethene	ug/kg	2500	2320	93	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2450	98	67-130	
Trichloroethene	ug/kg	2500	2470	99	70-130	
Trichlorofluoromethane	ug/kg	2500	2580	103	64-134	
Vinyl chloride	ug/kg	2500	1980	79	52-122	
4-Bromofluorobenzene (S)	%			104	48-130	
Dibromofluoromethane (S)	%			109	57-148	
Toluene-d8 (S)	%			106	58-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1848081 1848082

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40185495002	Spike Conc.	MSD Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1570	1570	1360	1340	87	85	62-130	2	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1570	1570	1500	1580	96	101	64-137	5	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1570	1570	1560	1560	99	99	70-130	0	20		
1,1-Dichloroethane	ug/kg	<25.0	1570	1570	1380	1400	88	89	65-132	1	20		
1,1-Dichloroethene	ug/kg	<25.0	1570	1570	1300	1240	83	79	50-128	5	21		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1570	1570	1670	1710	106	109	51-148	2	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1570	1570	1410	1420	90	90	43-134	0	23		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1570	1570	1670	1620	106	103	70-130	3	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1570	1570	1620	1720	103	109	70-130	6	20		
1,2-Dichloroethane	ug/kg	<25.0	1570	1570	1580	1560	101	99	65-139	1	20		
1,2-Dichloropropane	ug/kg	<25.0	1570	1570	1490	1430	95	91	74-128	4	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1570	1570	1620	1640	103	104	70-130	1	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1570	1570	1640	1680	104	107	70-130	2	20		

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1848081			1848082								
Parameter	Units	40185495002 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Benzene	ug/kg	<25.0	1570	1570	1450	1460	93	93	66-132	0	20
Bromodichloromethane	ug/kg	<25.0	1570	1570	1450	1410	93	90	69-130	3	20
Bromoform	ug/kg	<25.0	1570	1570	1410	1460	90	93	57-130	4	20
Bromomethane	ug/kg	<69.9	1570	1570	1520	1460	97	93	34-145	4	20
Carbon tetrachloride	ug/kg	<25.0	1570	1570	1300	1290	83	82	54-133	1	20
Chlorobenzene	ug/kg	<25.0	1570	1570	1600	1550	102	99	70-130	3	20
Chloroethane	ug/kg	<67.0	1570	1570	1210	1200	77	77	33-165	0	20
Chloroform	ug/kg	<46.4	1570	1570	1480	1450	94	92	72-128	2	20
Chloromethane	ug/kg	<25.0	1570	1570	753	707	48	45	20-120	6	20
cis-1,2-Dichloroethene	ug/kg	<25.0	1570	1570	1440	1410	92	90	69-130	2	20
cis-1,3-Dichloropropene	ug/kg	<25.0	1570	1570	1450	1360	92	87	65-130	6	20
Dibromochloromethane	ug/kg	<25.0	1570	1570	1480	1500	95	96	65-130	1	20
Dichlorodifluoromethane	ug/kg	<25.0	1570	1570	662	638	42	41	10-109	4	29
Ethylbenzene	ug/kg	<25.0	1570	1570	1510	1490	96	95	63-127	1	20
Isopropylbenzene (Cumene)	ug/kg	<25.0	1570	1570	1550	1490	99	95	66-130	4	20
m&p-Xylene	ug/kg	<50.0	3140	3140	3120	3090	99	98	70-130	1	20
Methyl-tert-butyl ether	ug/kg	<25.0	1570	1570	1500	1520	96	97	62-135	1	20
Methylene Chloride	ug/kg	<25.0	1570	1570	1430	1430	91	91	68-129	0	20
o-Xylene	ug/kg	<25.0	1570	1570	1550	1510	99	96	69-130	3	20
Styrene	ug/kg	<25.0	1570	1570	1630	1590	104	101	70-130	2	20
Tetrachloroethene	ug/kg	56.1J	1570	1570	1600	1630	99	100	70-130	1	20
Toluene	ug/kg	<25.0	1570	1570	1560	1540	99	98	80-123	1	20
trans-1,2-Dichloroethene	ug/kg	<25.0	1570	1570	1360	1320	87	84	70-130	3	20
trans-1,3-Dichloropropene	ug/kg	<25.0	1570	1570	1490	1480	95	94	67-130	1	20
Trichloroethene	ug/kg	<25.0	1570	1570	1520	1460	97	93	70-130	4	20
Trichlorofluoromethane	ug/kg	<25.0	1570	1570	1270	1260	81	80	41-134	1	26
Vinyl chloride	ug/kg	<25.0	1570	1570	915	889	58	57	39-122	3	20
4-Bromofluorobenzene (S)	%						96	93	48-130		
Dibromofluoromethane (S)	%						101	98	57-148		
Toluene-d8 (S)	%						102	101	58-142		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
 Pace Project No.: 40185495

---

QC Batch: 318698 Analysis Method: ASTM D2974-87  
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture  
 Associated Lab Samples: 40185495001, 40185495002, 40185495003, 40185495004, 40185495005

---

SAMPLE DUPLICATE: 1852015

Parameter	Units	40185507004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.8	19.3	3	10	

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## QUALIFIERS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185495

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40185495001	SR-MW-15-SO-5.5-6.5-20190408	EPA 5035/5030B	317908	EPA 8260	317913
40185495002	SR-MW-15-SO-4.5-5.5-20190408	EPA 5035/5030B	317908	EPA 8260	317913
40185495003	SR-SB-70-SO-2.5-3.5-20190408	EPA 5035/5030B	317908	EPA 8260	317913
40185495004	SR-SB-70-SO-1.5-2.5-20190408	EPA 5035/5030B	317908	EPA 8260	317913
40185495005	SR-SB-71-SO-1.0-2.0-20190408	EPA 5035/5030B	317908	EPA 8260	317913
40185495006	MEOH BLANK	EPA 5035/5030B	317908	EPA 8260	317913
40185495001	SR-MW-15-SO-5.5-6.5-20190408	ASTM D2974-87	318698		
40185495002	SR-MW-15-SO-4.5-5.5-20190408	ASTM D2974-87	318698		
40185495003	SR-SB-70-SO-2.5-3.5-20190408	ASTM D2974-87	318698		
40185495004	SR-SB-70-SO-1.5-2.5-20190408	ASTM D2974-87	318698		
40185495005	SR-SB-71-SO-1.0-2.0-20190408	ASTM D2974-87	318698		

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(Please Print Clearly)

UPPER MIDWEST REGION  
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1



40185495

# CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other  
 \*Preservation Codes

FILTERED?  
 (YES/NO)  
 PRESERVATION  
 (CODE)\*

Y/N	Pick Letter
F	A

Quote #: \_\_\_\_\_

Mail To Contact: \_\_\_\_\_

Mail To Company: \_\_\_\_\_

Mail To Address: \_\_\_\_\_

Invoice To Contact: \_\_\_\_\_

Invoice To Company: \_\_\_\_\_

Invoice To Address: \_\_\_\_\_

Invoice To Phone: \_\_\_\_\_

CLIENT COMMENTS: \_\_\_\_\_

LAB COMMENTS (Lab Use Only): \_\_\_\_\_

Profile #: \_\_\_\_\_

Company Name: **ERM**

Branch/Location: **Milwaukee**

Project Contact: **Ryan Pugh**

Phone: **847 848 4500**

Project Number: **0411161**

Project Name: **OSCAR WATER**

Project State: **WISCONSIN**

Sampled By (Print): **Pulse Jordan / Ryan Pugh**

Sampled By (Sign): *[Signature]*

PO #: \_\_\_\_\_

Regulatory Program: **WQDF**

Data Package Options

(billable)

EPA Level III

EPA Level IV

On your sample (billable)

NOT needed on your sample

Matrix Codes

A = Air  
B = Biotin  
C = Charcoal  
O = Oil  
S = Soil  
SI = Sludge

W = Water  
DW = Drinking Water  
GW = Ground Water  
SW = Surface Water  
WW = Waste Water  
WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested		Y/N	Pick Letter
		DATE	TIME					
001	SR-MW-15-50-5.5-6.5-2019 04	4/8/19	10:20	S	VOCs	Dr Weight		
002	SR-MW-15-50-4.5-5.5-2019 04	4/8/19	10:20	S				
003	SR-SB-70-50-2.5-3.5-2019 04	4/8/19	15:15	S				
004	SR-SB-70-50-1.5-2.5-2019 04	4/8/19	15:15	S				
005	SR-SB-71-50-1.0-2.0-2019 04	4/8/19	15:50	S				
006	DMech Blank							

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)

Date Needed: \_\_\_\_\_

Relinquished By: *[Signature]*

Date/Time: 4/8/19 16:54

Received By: *[Signature]*

Date/Time: 04-08-19 16:54

FACE Project No. 40185495

Transmit Prelim Rush Results by (complete what you want):

Email #1: **Ryan.Pugh@erm.com**

Email #2: **Dave.deary@erms.com**

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

Relinquished By: *[Signature]*

Date/Time: 4/8/19 10:40

Received By: *[Signature]*

Date/Time: 4/8/19 10:40

Receipt Temp = **20** °C

Sample Receipt pH **OK / Adjusted**

Cooler Custody Seal Present / Not Present **Intact / Not Intact**

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Received By: \_\_\_\_\_

Date/Time: \_\_\_\_\_

DMech blank added to COC by Lab Specialist

Client Name: ERM

Project # 46185495

### Sample Preservation Receipt Form

All containers needing preservation have been checked and noted below:  Yes  No  N/A  
Lab Lot# of pH paper: \_\_\_\_\_ Lab Std #ID of preservation (if pH adjusted): \_\_\_\_\_

Initial when completed:

Date/Time:

Page Lab #	Glass						Plastic						Vials					Jars			General			VOA Vials (>6mm) *			pH after adjusted			Volume (mL)					
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2		pH after adjusted				
001																																			2.5 / 5 / 10
002																																			2.5 / 5 / 10
003																																			2.5 / 5 / 10
004																																			2.5 / 5 / 10
005																																			2.5 / 5 / 10
006																																			2.5 / 5 / 10
007																																			2.5 / 5 / 10
008																																			2.5 / 5 / 10
009																																			2.5 / 5 / 10
010																																			2.5 / 5 / 10
011																																			2.5 / 5 / 10
012																																			2.5 / 5 / 10
013																																			2.5 / 5 / 10
014																																			2.5 / 5 / 10
015																																			2.5 / 5 / 10
016																																			2.5 / 5 / 10
017																																			2.5 / 5 / 10
018																																			2.5 / 5 / 10
019																																			2.5 / 5 / 10
020																																			2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (<6mm) :  Yes  No  N/A \*if yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 ml amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 ml plastic HNO3	DG9T	40 ml amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 ml amber glass H2SO4	BP2Z	500 ml plastic NaOH, Znact	VG9U	40 ml clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 ml amber glass unpres	BP3U	250 ml plastic unpres	VG9H	40 ml clear vial HCL	SP5T	120 ml plastic Na Thiosulfate ziploc bag
AG5U	100 ml amber glass unpres	BP3C	250 ml plastic NaOH	VG9M	40 ml clear vial MeOH		
AG2S	500 ml amber glass H2SO4	BP3N	250 ml plastic HNO3	VG9D	40 ml clear vial DI	ZPLC	
BG3U	250 ml clear glass unpres	BP3S	250 ml plastic H2SO4			GN:	



1241 Bellevue Street, Green Bay, WI 54302

Document name: Sample Condition Upon Receipt (SCUR)

Document Revised: 25Apr2018

Document No.: F-GB-C-031-Rev.07

Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40185495

Client Name: ERM

Courier: CS Logistics Fed Ex Speedee UPS Waltco Client Pace Other:

Tracking #: [handwritten]

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ICorr: [handwritten]

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents: Date: 4/10/19 Initials: [handwritten]

Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C.

Table with 2 columns: Question/Requirement and Answer/Status. Rows include Chain of Custody Present, Chain of Custody Filled Out, Chain of Custody Relinquished, Sampler Name & Signature on COC, Samples Arrived within Hold Time, Short Hold Time Analysis, Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Filtered volume received for Dissolved tests, Sample Labels match COC, Trip Blank Present, Trip Blank Custody Seals Present.

Client Notification/ Resolution: Person Contacted: Date/Time: Comments/ Resolution: returned 2-40ml mesh vial, 8-40z poly & syringes empty

Project Manager Review: [handwritten] Date: 04/09/19

April 15, 2019

Ryan Plath  
ERM, INC.  
700 W. Virginia Street  
Suite 601  
Milwaukee, WI 53204

RE: Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185419

Dear Ryan Plath:

Enclosed are the analytical results for sample(s) received by the laboratory on April 06, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40185419001	FS-MW-08-SO-3.5-4.5-20190404	Solid	04/04/19 13:30	04/06/19 08:15
40185419002	FS-MW-08-SO-4.5-5.5-20190404	Solid	04/04/19 13:40	04/06/19 08:15
40185419003	SR-MW-16B-SO-3.5-4.5-20190405	Solid	04/05/19 09:00	04/06/19 08:15
40185419004	SR-MW-16B-SO-4.5-5.5-20190405	Solid	04/05/19 09:10	04/06/19 08:15

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### SAMPLE ANALYTE COUNT

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185419

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40185419001	FS-MW-08-SO-3.5-4.5-20190404	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	JAK	1	PASI-G
40185419002	FS-MW-08-SO-4.5-5.5-20190404	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	JAK	1	PASI-G
40185419003	SR-MW-16B-SO-3.5-4.5-20190405	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	JAK	1	PASI-G
40185419004	SR-MW-16B-SO-4.5-5.5-20190405	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	JAK	1	PASI-G

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

**Sample:** FS-MW-08-SO-3.5-4.5-20190404      **Lab ID:** 40185419001      Collected: 04/04/19 13:30      Received: 04/06/19 08:15      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	19.5	mg/kg	2.2	0.66	1	04/09/19 07:11	04/09/19 13:02	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	27.4	ug/kg	14.8	4.5	1	04/11/19 09:39	04/12/19 18:00	83-32-9	
Acenaphthylene	47.0	ug/kg	12.6	3.8	1	04/11/19 09:39	04/12/19 18:00	208-96-8	
Anthracene	134	ug/kg	21.8	6.6	1	04/11/19 09:39	04/12/19 18:00	120-12-7	
Benzo(a)anthracene	336	ug/kg	12.2	3.6	1	04/11/19 09:39	04/12/19 18:00	56-55-3	
Benzo(a)pyrene	419	ug/kg	9.6	2.9	1	04/11/19 09:39	04/12/19 18:00	50-32-8	
Benzo(b)fluoranthene	512	ug/kg	10.8	3.2	1	04/11/19 09:39	04/12/19 18:00	205-99-2	
Benzo(g,h,i)perylene	337	ug/kg	7.8	2.3	1	04/11/19 09:39	04/12/19 18:00	191-24-2	
Benzo(k)fluoranthene	178	ug/kg	9.6	2.9	1	04/11/19 09:39	04/12/19 18:00	207-08-9	
Chrysene	303	ug/kg	12.9	3.9	1	04/11/19 09:39	04/12/19 18:00	218-01-9	
Dibenz(a,h)anthracene	94.1	ug/kg	8.6	2.6	1	04/11/19 09:39	04/12/19 18:00	53-70-3	
Fluoranthene	661	ug/kg	20.0	6.0	1	04/11/19 09:39	04/12/19 18:00	206-44-0	
Fluorene	51.2	ug/kg	15.8	4.8	1	04/11/19 09:39	04/12/19 18:00	86-73-7	
Indeno(1,2,3-cd)pyrene	253	ug/kg	8.4	2.5	1	04/11/19 09:39	04/12/19 18:00	193-39-5	
1-Methylnaphthalene	15.3J	ug/kg	15.4	4.6	1	04/11/19 09:39	04/12/19 18:00	90-12-0	
2-Methylnaphthalene	12.4J	ug/kg	19.2	5.7	1	04/11/19 09:39	04/12/19 18:00	91-57-6	
Naphthalene	30.8J	ug/kg	32.3	9.7	1	04/11/19 09:39	04/12/19 18:00	91-20-3	
Phenanthrene	326	ug/kg	44.6	13.4	1	04/11/19 09:39	04/12/19 18:00	85-01-8	
Pyrene	505	ug/kg	17.2	5.2	1	04/11/19 09:39	04/12/19 18:00	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	65	%	28-99		1	04/11/19 09:39	04/12/19 18:00	321-60-8	
Terphenyl-d14 (S)	63	%	10-107		1	04/11/19 09:39	04/12/19 18:00	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/09/19 08:15	04/09/19 19:52	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/09/19 08:15	04/09/19 19:52	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/09/19 08:15	04/09/19 19:52	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/09/19 08:15	04/09/19 19:52	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	124-48-1	W

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

Sample: **FS-MW-08-SO-3.5-4.5-20190404** Lab ID: **40185419001** Collected: 04/04/19 13:30 Received: 04/06/19 08:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/09/19 08:15	04/09/19 19:52	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/09/19 08:15	04/09/19 19:52	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/09/19 08:15	04/09/19 19:52	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/09/19 19:52	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	116	%	57-148		1	04/09/19 08:15	04/09/19 19:52	1868-53-7	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

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**Sample:** FS-MW-08-SO-3.5-4.5-20190404      **Lab ID:** 40185419001      Collected: 04/04/19 13:30      Received: 04/06/19 08:15      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	118	%	58-142		1	04/09/19 08:15	04/09/19 19:52	2037-26-5	
4-Bromofluorobenzene (S)	95	%	48-130		1	04/09/19 08:15	04/09/19 19:52	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>12.9</b>	%	0.10	0.10	1		04/09/19 17:59		

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

Sample: **FS-MW-08-SO-4.5-5.5-20190404** Lab ID: **40185419002** Collected: 04/04/19 13:40 Received: 04/06/19 08:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	11.2	mg/kg	2.6	0.77	1	04/09/19 07:11	04/09/19 13:05	7439-92-1	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<5.2	ug/kg	17.2	5.2	1	04/11/19 09:39	04/11/19 17:26	83-32-9	
Acenaphthylene	<4.4	ug/kg	14.7	4.4	1	04/11/19 09:39	04/11/19 17:26	208-96-8	
Anthracene	<7.6	ug/kg	25.4	7.6	1	04/11/19 09:39	04/11/19 17:26	120-12-7	
Benzo(a)anthracene	<4.2	ug/kg	14.2	4.2	1	04/11/19 09:39	04/11/19 17:26	56-55-3	
Benzo(a)pyrene	<3.4	ug/kg	11.2	3.4	1	04/11/19 09:39	04/11/19 17:26	50-32-8	
Benzo(b)fluoranthene	<3.8	ug/kg	12.6	3.8	1	04/11/19 09:39	04/11/19 17:26	205-99-2	
Benzo(g,h,i)perylene	<2.7	ug/kg	9.0	2.7	1	04/11/19 09:39	04/11/19 17:26	191-24-2	
Benzo(k)fluoranthene	<3.4	ug/kg	11.2	3.4	1	04/11/19 09:39	04/11/19 17:26	207-08-9	
Chrysene	<4.5	ug/kg	15.0	4.5	1	04/11/19 09:39	04/11/19 17:26	218-01-9	
Dibenz(a,h)anthracene	<3.0	ug/kg	10	3.0	1	04/11/19 09:39	04/11/19 17:26	53-70-3	
Fluoranthene	<7.0	ug/kg	23.3	7.0	1	04/11/19 09:39	04/11/19 17:26	206-44-0	
Fluorene	<5.5	ug/kg	18.4	5.5	1	04/11/19 09:39	04/11/19 17:26	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.9	ug/kg	9.8	2.9	1	04/11/19 09:39	04/11/19 17:26	193-39-5	
1-Methylnaphthalene	<5.4	ug/kg	17.9	5.4	1	04/11/19 09:39	04/11/19 17:26	90-12-0	R1
2-Methylnaphthalene	<6.7	ug/kg	22.3	6.7	1	04/11/19 09:39	04/11/19 17:26	91-57-6	
Naphthalene	<11.3	ug/kg	37.6	11.3	1	04/11/19 09:39	04/11/19 17:26	91-20-3	
Phenanthrene	<15.6	ug/kg	51.9	15.6	1	04/11/19 09:39	04/11/19 17:26	85-01-8	
Pyrene	<6.0	ug/kg	20.0	6.0	1	04/11/19 09:39	04/11/19 17:26	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	64	%	28-99		1	04/11/19 09:39	04/11/19 17:26	321-60-8	
Terphenyl-d14 (S)	62	%	10-107		1	04/11/19 09:39	04/11/19 17:26	1718-51-0	
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/09/19 08:15	04/10/19 14:41	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/09/19 08:15	04/10/19 14:41	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/09/19 08:15	04/10/19 14:41	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/09/19 08:15	04/10/19 14:41	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	124-48-1	W

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

Sample: **FS-MW-08-SO-4.5-5.5-20190404** Lab ID: **40185419002** Collected: 04/04/19 13:40 Received: 04/06/19 08:15 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/09/19 08:15	04/10/19 14:41	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/09/19 08:15	04/10/19 14:41	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/09/19 08:15	04/10/19 14:41	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 14:41	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	93	%	57-148		1	04/09/19 08:15	04/10/19 14:41	1868-53-7	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

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**Sample:** FS-MW-08-SO-4.5-5.5-20190404      **Lab ID:** 40185419002      Collected: 04/04/19 13:40      Received: 04/06/19 08:15      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	84	%	58-142		1	04/09/19 08:15	04/10/19 14:41	2037-26-5	
4-Bromofluorobenzene (S)	67	%	48-130		1	04/09/19 08:15	04/10/19 14:41	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>25.2</b>	%	0.10	0.10	1		04/09/19 18:00		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185419

**Sample:** SR-MW-16B-SO-3.5-4.5-20190405 **Lab ID:** 40185419003 **Collected:** 04/05/19 09:00 **Received:** 04/06/19 08:15 **Matrix:** Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/09/19 08:15	04/10/19 10:22	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/09/19 08:15	04/10/19 10:22	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/09/19 08:15	04/10/19 10:22	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/09/19 08:15	04/10/19 10:22	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/09/19 08:15	04/10/19 10:22	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	103-65-1	W

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

**Sample:** SR-MW-16B-SO-3.5-4.5-20190405    **Lab ID:** 40185419003    Collected: 04/05/19 09:00    Received: 04/06/19 08:15    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Styrene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/09/19 08:15	04/10/19 10:22	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/09/19 08:15	04/10/19 10:22	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:22	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	103	%	57-148		1	04/09/19 08:15	04/10/19 10:22	1868-53-7	
Toluene-d8 (S)	94	%	58-142		1	04/09/19 08:15	04/10/19 10:22	2037-26-5	
4-Bromofluorobenzene (S)	74	%	48-130		1	04/09/19 08:15	04/10/19 10:22	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	22.6	%	0.10	0.10	1		04/09/19 18:01		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185419

**Sample: SR-MW-16B-SO-4.5-5.5-20190405**      **Lab ID: 40185419004**      Collected: 04/05/19 09:10      Received: 04/06/19 08:15      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/09/19 08:15	04/10/19 10:44	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/09/19 08:15	04/10/19 10:44	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/09/19 08:15	04/10/19 10:44	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/09/19 08:15	04/10/19 10:44	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/09/19 08:15	04/10/19 10:44	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	103-65-1	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

**Sample:** SR-MW-16B-SO-4.5-5.5-20190405    **Lab ID:** 40185419004    Collected: 04/05/19 09:10    Received: 04/06/19 08:15    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Styrene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/09/19 08:15	04/10/19 10:44	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/09/19 08:15	04/10/19 10:44	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/09/19 08:15	04/10/19 10:44	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	112	%	57-148		1	04/09/19 08:15	04/10/19 10:44	1868-53-7	
Toluene-d8 (S)	106	%	58-142		1	04/09/19 08:15	04/10/19 10:44	2037-26-5	
4-Bromofluorobenzene (S)	81	%	48-130		1	04/09/19 08:15	04/10/19 10:44	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	22.1	%	0.10	0.10	1		04/09/19 18:01		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185419

QC Batch: 317661 Analysis Method: EPA 6010  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 40185419001, 40185419002

METHOD BLANK: 1847080 Matrix: Solid  
Associated Lab Samples: 40185419001, 40185419002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.60	2.0	04/09/19 12:26	

LABORATORY CONTROL SAMPLE: 1847081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	45.5	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1847082 1847083

Parameter	Units	40185389001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Lead	mg/kg	10.4	63.7	63.7	63.1	63.5	83	83	75-125	1	20		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185419

QC Batch: 317776 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Associated Lab Samples: 40185419001, 40185419002, 40185419003, 40185419004

METHOD BLANK: 1847456 Matrix: Solid  
Associated Lab Samples: 40185419001, 40185419002, 40185419003, 40185419004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/09/19 10:05	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/09/19 10:05	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/09/19 10:05	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/09/19 10:05	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/09/19 10:05	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/09/19 10:05	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/09/19 10:05	
1,2,3-Trichlorobenzene	ug/kg	19.3J	50.0	04/09/19 10:05	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/09/19 10:05	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/09/19 10:05	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/09/19 10:05	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/09/19 10:05	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/09/19 10:05	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/09/19 10:05	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/09/19 10:05	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/09/19 10:05	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/09/19 10:05	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/09/19 10:05	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/09/19 10:05	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/09/19 10:05	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/09/19 10:05	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/09/19 10:05	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/09/19 10:05	
Benzene	ug/kg	<9.2	20.0	04/09/19 10:05	
Bromobenzene	ug/kg	<20.6	50.0	04/09/19 10:05	
Bromochloromethane	ug/kg	<21.4	50.0	04/09/19 10:05	
Bromodichloromethane	ug/kg	<9.8	50.0	04/09/19 10:05	
Bromoform	ug/kg	<19.8	50.0	04/09/19 10:05	
Bromomethane	ug/kg	<69.9	250	04/09/19 10:05	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/09/19 10:05	
Chlorobenzene	ug/kg	<14.8	50.0	04/09/19 10:05	
Chloroethane	ug/kg	<67.0	250	04/09/19 10:05	
Chloroform	ug/kg	<46.4	250	04/09/19 10:05	
Chloromethane	ug/kg	<20.4	50.0	04/09/19 10:05	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/09/19 10:05	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/09/19 10:05	
Dibromochloromethane	ug/kg	<17.9	50.0	04/09/19 10:05	
Dibromomethane	ug/kg	<19.3	50.0	04/09/19 10:05	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/09/19 10:05	
Diisopropyl ether	ug/kg	<17.7	50.0	04/09/19 10:05	
Ethylbenzene	ug/kg	<12.4	50.0	04/09/19 10:05	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

METHOD BLANK: 1847456

Matrix: Solid

Associated Lab Samples: 40185419001, 40185419002, 40185419003, 40185419004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	04/09/19 10:05	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/09/19 10:05	
m&p-Xylene	ug/kg	<34.4	100	04/09/19 10:05	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/09/19 10:05	
Methylene Chloride	ug/kg	<16.2	50.0	04/09/19 10:05	
n-Butylbenzene	ug/kg	12.7J	50.0	04/09/19 10:05	
n-Propylbenzene	ug/kg	<11.6	50.0	04/09/19 10:05	
Naphthalene	ug/kg	<40.0	250	04/09/19 10:05	
o-Xylene	ug/kg	<14.0	50.0	04/09/19 10:05	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/09/19 10:05	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/09/19 10:05	
Styrene	ug/kg	<9.0	50.0	04/09/19 10:05	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/09/19 10:05	
Tetrachloroethene	ug/kg	<12.9	50.0	04/09/19 10:05	
Toluene	ug/kg	<11.2	50.0	04/09/19 10:05	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/09/19 10:05	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/09/19 10:05	
Trichloroethene	ug/kg	<23.6	50.0	04/09/19 10:05	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/09/19 10:05	
Vinyl chloride	ug/kg	<21.1	50.0	04/09/19 10:05	
4-Bromofluorobenzene (S)	%	80	48-130	04/09/19 10:05	
Dibromofluoromethane (S)	%	102	57-148	04/09/19 10:05	
Toluene-d8 (S)	%	102	58-142	04/09/19 10:05	

LABORATORY CONTROL SAMPLE: 1847457

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2450	98	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2400	96	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2630	105	70-130	
1,1-Dichloroethane	ug/kg	2500	2560	102	67-132	
1,1-Dichloroethene	ug/kg	2500	2330	93	67-128	
1,2,4-Trichlorobenzene	ug/kg	2500	2090	84	51-131	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2170	87	49-117	
1,2-Dibromoethane (EDB)	ug/kg	2500	2630	105	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2320	93	70-130	
1,2-Dichloroethane	ug/kg	2500	2670	107	65-137	
1,2-Dichloropropane	ug/kg	2500	2740	110	75-126	
1,3-Dichlorobenzene	ug/kg	2500	2270	91	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2430	97	70-130	
Benzene	ug/kg	2500	2560	103	70-130	
Bromodichloromethane	ug/kg	2500	2790	112	70-130	
Bromoform	ug/kg	2500	2700	108	57-117	
Bromomethane	ug/kg	2500	2970	119	48-135	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185419

LABORATORY CONTROL SAMPLE: 1847457

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2430	97	65-133	
Chlorobenzene	ug/kg	2500	2480	99	70-130	
Chloroethane	ug/kg	2500	2920	117	37-165	
Chloroform	ug/kg	2500	2520	101	72-126	
Chloromethane	ug/kg	2500	1870	75	34-120	
cis-1,2-Dichloroethene	ug/kg	2500	2390	96	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2610	104	69-130	
Dibromochloromethane	ug/kg	2500	2650	106	68-130	
Dichlorodifluoromethane	ug/kg	2500	1350	54	22-100	
Ethylbenzene	ug/kg	2500	2540	102	79-121	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
m&p-Xylene	ug/kg	5000	5320	106	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2320	93	66-129	
Methylene Chloride	ug/kg	2500	2490	99	68-129	
o-Xylene	ug/kg	2500	2500	100	70-130	
Styrene	ug/kg	2500	2770	111	70-130	
Tetrachloroethene	ug/kg	2500	2440	97	70-130	
Toluene	ug/kg	2500	2600	104	80-123	
trans-1,2-Dichloroethene	ug/kg	2500	2390	95	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2450	98	67-130	
Trichloroethene	ug/kg	2500	2530	101	70-130	
Trichlorofluoromethane	ug/kg	2500	2240	90	64-134	
Vinyl chloride	ug/kg	2500	1990	80	52-122	
4-Bromofluorobenzene (S)	%			92	48-130	
Dibromofluoromethane (S)	%			103	57-148	
Toluene-d8 (S)	%			100	58-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1847458 1847459

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40185406003	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1460	1460	1360	1380	93	94	62-130	2	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1460	1460	1500	1440	102	98	64-137	4	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1460	1460	1600	1480	109	101	70-130	8	20		
1,1-Dichloroethane	ug/kg	<25.0	1460	1460	1510	1470	103	101	65-132	3	20		
1,1-Dichloroethene	ug/kg	<25.0	1460	1460	1170	1250	80	86	50-128	7	21		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1460	1460	1480	1370	101	94	51-148	8	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1460	1460	1250	1370	85	94	43-134	9	23		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1460	1460	1460	1430	100	97	70-130	3	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1460	1460	1410	1430	96	98	70-130	1	20		
1,2-Dichloroethane	ug/kg	<25.0	1460	1460	1600	1550	110	106	65-139	3	20		
1,2-Dichloropropane	ug/kg	<25.0	1460	1460	1610	1580	110	108	74-128	2	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1460	1460	1430	1410	98	96	70-130	2	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1460	1460	1500	1530	102	105	70-130	2	20		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1847458 1847459											
Parameter	Units	40185406003 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Benzene	ug/kg	<25.0	1460	1460	1480	1460	101	100	66-132	1	20
Bromodichloromethane	ug/kg	<25.0	1460	1460	1620	1640	111	112	69-130	1	20
Bromoform	ug/kg	<25.0	1460	1460	1480	1430	101	97	57-130	4	20
Bromomethane	ug/kg	<69.9	1460	1460	1600	1640	110	112	34-145	2	20
Carbon tetrachloride	ug/kg	<25.0	1460	1460	1270	1330	87	91	54-133	5	20
Chlorobenzene	ug/kg	<25.0	1460	1460	1400	1400	95	96	70-130	0	20
Chloroethane	ug/kg	<67.0	1460	1460	1480	1520	101	104	33-165	3	20
Chloroform	ug/kg	<46.4	1460	1460	1460	1440	100	99	72-128	1	20
Chloromethane	ug/kg	<25.0	1460	1460	900	870	61	59	20-120	3	20
cis-1,2-Dichloroethene	ug/kg	<25.0	1460	1460	1390	1340	95	91	69-130	4	20
cis-1,3-Dichloropropene	ug/kg	<25.0	1460	1460	1400	1370	96	94	65-130	2	20
Dibromochloromethane	ug/kg	<25.0	1460	1460	1580	1440	108	98	65-130	9	20
Dichlorodifluoromethane	ug/kg	<25.0	1460	1460	710	695	49	47	10-109	2	29
Ethylbenzene	ug/kg	<25.0	1460	1460	1370	1310	94	90	63-127	5	20
Isopropylbenzene (Cumene)	ug/kg	<25.0	1460	1460	1320	1290	90	88	66-130	3	20
m&p-Xylene	ug/kg	<50.0	2930	2930	2910	2840	99	97	70-130	3	20
Methyl-tert-butyl ether	ug/kg	<25.0	1460	1460	1320	1340	90	92	62-135	2	20
Methylene Chloride	ug/kg	<25.0	1460	1460	1490	1380	101	94	68-129	8	20
o-Xylene	ug/kg	<25.0	1460	1460	1380	1300	94	89	69-130	6	20
Styrene	ug/kg	<25.0	1460	1460	1520	1430	104	98	70-130	6	20
Tetrachloroethene	ug/kg	<25.0	1460	1460	1290	1290	88	88	70-130	0	20
Toluene	ug/kg	<25.0	1460	1460	1460	1460	100	100	80-123	0	20
trans-1,2-Dichloroethene	ug/kg	<25.0	1460	1460	1350	1350	92	92	70-130	0	20
trans-1,3-Dichloropropene	ug/kg	<25.0	1460	1460	1370	1300	94	89	67-130	5	20
Trichloroethene	ug/kg	<25.0	1460	1460	1400	1440	96	98	70-130	3	20
Trichlorofluoromethane	ug/kg	<25.0	1460	1460	1020	1090	70	75	41-134	7	26
Vinyl chloride	ug/kg	<25.0	1460	1460	982	986	67	67	39-122	0	20
4-Bromofluorobenzene (S)	%						90	89	48-130		
Dibromofluoromethane (S)	%						108	106	57-148		
Toluene-d8 (S)	%						102	102	58-142		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

QC Batch: 318015 Analysis Method: EPA 8270 by SIM  
 QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
 Associated Lab Samples: 40185419001, 40185419002

METHOD BLANK: 1848887 Matrix: Solid

Associated Lab Samples: 40185419001, 40185419002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	04/11/19 14:50	
2-Methylnaphthalene	ug/kg	<5.0	16.7	04/11/19 14:50	
Acenaphthene	ug/kg	<3.9	12.9	04/11/19 14:50	
Acenaphthylene	ug/kg	<3.3	11.0	04/11/19 14:50	
Anthracene	ug/kg	<5.7	19.0	04/11/19 14:50	
Benzo(a)anthracene	ug/kg	<3.2	10.6	04/11/19 14:50	
Benzo(a)pyrene	ug/kg	<2.5	8.4	04/11/19 14:50	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	04/11/19 14:50	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	04/11/19 14:50	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	04/11/19 14:50	
Chrysene	ug/kg	<3.4	11.2	04/11/19 14:50	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	04/11/19 14:50	
Fluoranthene	ug/kg	<5.2	17.4	04/11/19 14:50	
Fluorene	ug/kg	<4.1	13.8	04/11/19 14:50	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	04/11/19 14:50	
Naphthalene	ug/kg	<8.4	28.1	04/11/19 14:50	
Phenanthrene	ug/kg	<11.6	38.8	04/11/19 14:50	
Pyrene	ug/kg	<4.5	15.0	04/11/19 14:50	
2-Fluorobiphenyl (S)	%	62	28-99	04/11/19 14:50	
Terphenyl-d14 (S)	%	68	10-107	04/11/19 14:50	

LABORATORY CONTROL SAMPLE: 1848888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	271	81	47-104	
2-Methylnaphthalene	ug/kg	334	270	81	50-100	
Acenaphthene	ug/kg	334	291	87	56-113	
Acenaphthylene	ug/kg	334	290	87	55-113	
Anthracene	ug/kg	334	316	95	59-103	
Benzo(a)anthracene	ug/kg	334	280	84	55-102	
Benzo(a)pyrene	ug/kg	334	318	95	59-114	
Benzo(b)fluoranthene	ug/kg	334	321	96	53-124	
Benzo(g,h,i)perylene	ug/kg	334	294	88	48-114	
Benzo(k)fluoranthene	ug/kg	334	329	99	61-118	
Chrysene	ug/kg	334	308	92	62-108	
Dibenz(a,h)anthracene	ug/kg	334	268	80	51-114	
Fluoranthene	ug/kg	334	328	98	59-113	
Fluorene	ug/kg	334	299	90	56-117	
Indeno(1,2,3-cd)pyrene	ug/kg	334	282	84	52-115	
Naphthalene	ug/kg	334	272	81	54-95	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

LABORATORY CONTROL SAMPLE: 1848888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	334	288	86	58-101	
Pyrene	ug/kg	334	301	90	56-105	
2-Fluorobiphenyl (S)	%			77	28-99	
Terphenyl-d14 (S)	%			74	10-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1848889 1848890

Parameter	Units	40185419002		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1-Methylnaphthalene	ug/kg	<5.4	445	445	336	249	75	56	39-104	30	29	R1	
2-Methylnaphthalene	ug/kg	<6.7	445	445	330	254	74	57	40-100	26	32		
Acenaphthene	ug/kg	<5.2	445	445	340	298	76	67	50-113	13	21		
Acenaphthylene	ug/kg	<4.4	445	445	341	286	77	64	42-114	18	27		
Anthracene	ug/kg	<7.6	445	445	356	321	80	72	33-105	10	21		
Benzo(a)anthracene	ug/kg	<4.2	445	445	303	287	68	64	43-102	6	21		
Benzo(a)pyrene	ug/kg	<3.4	445	445	349	319	78	72	34-117	9	22		
Benzo(b)fluoranthene	ug/kg	<3.8	445	445	332	318	75	71	35-124	5	35		
Benzo(g,h,i)perylene	ug/kg	<2.7	445	445	322	290	72	65	10-120	10	30		
Benzo(k)fluoranthene	ug/kg	<3.4	445	445	358	343	80	77	31-128	4	27		
Chrysene	ug/kg	<4.5	445	445	348	328	78	74	39-108	6	20		
Dibenz(a,h)anthracene	ug/kg	<3.0	445	445	298	260	67	58	19-114	14	28		
Fluoranthene	ug/kg	<7.0	445	445	366	340	82	76	45-113	7	22		
Fluorene	ug/kg	<5.5	445	445	340	301	76	67	48-117	12	21		
Indeno(1,2,3-cd)pyrene	ug/kg	<2.9	445	445	300	279	67	63	10-123	7	28		
Naphthalene	ug/kg	<11.3	445	445	340	266	76	60	32-101	24	27		
Phenanthrene	ug/kg	<15.6	445	445	330	301	74	68	40-101	9	20		
Pyrene	ug/kg	<6.0	445	445	354	335	80	75	35-105	6	26		
2-Fluorobiphenyl (S)	%						66	50	28-99				
Terphenyl-d14 (S)	%						60	54	10-107				

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

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QC Batch: 317849 Analysis Method: ASTM D2974-87  
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture  
Associated Lab Samples: 40185419001, 40185419002, 40185419003, 40185419004

---

SAMPLE DUPLICATE: 1847838

Parameter	Units	40185419003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.6	22.6	0	10	

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## QUALIFIERS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185419

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40185419001	FS-MW-08-SO-3.5-4.5-20190404	EPA 3050	317661	EPA 6010	317808
40185419002	FS-MW-08-SO-4.5-5.5-20190404	EPA 3050	317661	EPA 6010	317808
40185419001	FS-MW-08-SO-3.5-4.5-20190404	EPA 3546	318015	EPA 8270 by SIM	318087
40185419002	FS-MW-08-SO-4.5-5.5-20190404	EPA 3546	318015	EPA 8270 by SIM	318087
40185419001	FS-MW-08-SO-3.5-4.5-20190404	EPA 5035/5030B	317776	EPA 8260	317777
40185419002	FS-MW-08-SO-4.5-5.5-20190404	EPA 5035/5030B	317776	EPA 8260	317777
40185419003	SR-MW-16B-SO-3.5-4.5-20190405	EPA 5035/5030B	317776	EPA 8260	317777
40185419004	SR-MW-16B-SO-4.5-5.5-20190405	EPA 5035/5030B	317776	EPA 8260	317777
40185419001	FS-MW-08-SO-3.5-4.5-20190404	ASTM D2974-87	317849		
40185419002	FS-MW-08-SO-4.5-5.5-20190404	ASTM D2974-87	317849		
40185419003	SR-MW-16B-SO-3.5-4.5-20190405	ASTM D2974-87	317849		
40185419004	SR-MW-16B-SO-4.5-5.5-20190405	ASTM D2974-87	317849		

### REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **ERM**  
 Branch/Location: **MILWAUKEE, WI**  
 Project Contact: **RYAN PLATT**  
 Phone: **847-848-4500**  
 Project Number: **0441161**  
 Project Name: **OSCAR MAYER**  
 Project State: **WI**  
 Sampled By (Print): **RYAN PLATT**  
 Sampled By (Sign): *[Signature]*  
 PO #: **WDNR**  
 Regulatory Program: **WDNR**

**Data Package Options**  
 (billable)  EPA Level III  On your sample (billable)  
 EPA Level IV  NOT needed on your sample

**Matrix Codes**  
 A = Air B = Water  
 C = Charcoal DW = Drinking Water  
 O = Oil GW = Ground Water  
 S = Soil SW = Surface Water  
 SI = Sludge WW = Waste Water  
 WP = Wipe



# CHAIN OF CUSTODY

**Preservation Codes**  
 A=None B=HCL C=H2SO4 D=HNO3 E=D Water F=Methanol G=NACH  
 H=Sodium Bisulfate Solution I=Sodium ThioSulfate J=Other

FILTERED?  
(YES/NO)  
PRESERVATION (CODE)\*

DATE	TIME	MATRIX	Analyses Requested	Y/N	Pick Letter
04-11-19	1330	S	PAH Method 8270 SIM	N	A
04-11-19	1340	S	Moisture / Lead	N	A
04-11-19	0900	S	VOC Method 8260B	N	F
04-11-19	0910	S			

**Quote #:** \_\_\_\_\_  
**Mail To Contact:** \_\_\_\_\_  
**Mail To Company:** \_\_\_\_\_  
**Mail To Address:** \_\_\_\_\_  
**Invoice To Contact:** *Northwest Division Accounts*  
**Invoice To Company:** *payable @ erm.com*  
**Invoice To Address:** \_\_\_\_\_  
**Client Comments:** *NO Lead? NO PAH? NO Lead NO PAH*  
**Lab Comments (Lab Use Only):** \_\_\_\_\_  
**Profile #:** \_\_\_\_\_

**Reinquisitioned By:** *[Signature]* Date/Time: **4/5/19 1500**  
**Received By:** *[Signature]* Date/Time: **04-05-19 1500**

**Reinquisitioned By:** *[Signature]* Date/Time: **04-05-19 1500**  
**Received By:** *[Signature]* Date/Time: **04-05-19 1500**

**Reinquisitioned By:** *[Signature]* Date/Time: **4/6/19 0815**  
**Received By:** *[Signature]* Date/Time: **4/6/19 0815**

**Reinquisitioned By:** *[Signature]* Date/Time: **4/6/19 0815**  
**Received By:** *[Signature]* Date/Time: **4/6/19 0815**

**PACE Project No.** **40185419**  
 Receipt Temp = **901** °C  
 Sample Receipt pH **OK / Adjusted**  
 Cooler Custody Seal **Present (Not Present)**  
 Intact / Not Intact

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

40185419

Client Name: ERM

Sample Preservation Receipt Form  
Project # 40185419

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54902

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Lab Lot# of pH paper: \_\_\_\_\_ Lab Std #/ID of preservation (if pH adjusted): \_\_\_\_\_

Initial when completed: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Pace Lab #	AG1U AG1H AG4S AG4U AG5U AG2S BG3U	BP1U BP2N BP2Z BP3U BP3C BP3N BP3S	DG9A DG9T VG9U VG9H VG9M VG9D	JGFU WGFU WPFU	SP5T ZPLC GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001												2.5 / 5 / 10
002												2.5 / 5 / 10
003												2.5 / 5 / 10
004												2.5 / 5 / 10
005												2.5 / 5 / 10
006												2.5 / 5 / 10
007												2.5 / 5 / 10
008												2.5 / 5 / 10
009												2.5 / 5 / 10
010												2.5 / 5 / 10
011												2.5 / 5 / 10
012												2.5 / 5 / 10
013												2.5 / 5 / 10
014												2.5 / 5 / 10
015												2.5 / 5 / 10
016												2.5 / 5 / 10
017												2.5 / 5 / 10
018												2.5 / 5 / 10
019												2.5 / 5 / 10
020												2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRQ, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm):  Yes  No  N/A \*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

### Sample Condition Upon Receipt Form (SCUR)

Project # \_\_\_\_\_

Client Name: ERM

**WO# : 40185419**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: 2292.040519

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - N/A Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: R01 / Corr: ~

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 4/6/19  
 Initials: PS

Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No mail. 4/4/19 PS</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: AL or DM

Date: 4/6/19



April 18, 2019

Ryan Plath  
ERM, INC.  
700 W. Virginia Street  
Suite 601  
Milwaukee, WI 53204

RE: Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

Dear Ryan Plath:

Enclosed are the analytical results for sample(s) received by the laboratory on April 05, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40185325001	FS-MW-12-SO-4.5-5.5-20190402	Solid	04/02/19 09:05	04/05/19 08:25
40185325002	FS-MW-09-SO-5.5-6.5-20190402	Solid	04/02/19 10:20	04/05/19 08:25
40185325003	FS-MW-09-SO-6.5-7.5-20190402	Solid	04/02/19 10:25	04/05/19 08:25
40185325004	FS-MW-03-SO-0.5-1.5-20190402	Solid	04/02/19 11:20	04/05/19 08:25
40185325005	FS-MW-03-SO-1.5-2.5-20190402	Solid	04/02/19 11:25	04/05/19 08:25
40185325006	FS-MW-04-SO-2.5-3.5-20190402	Solid	04/02/19 12:15	04/05/19 08:25
40185325007	FS-MW-05-SO-2.5-3.5-20190402	Solid	04/02/19 14:15	04/05/19 08:25
40185325008	FS-MW-13-SO-4.5-5.5-20190403	Solid	04/03/19 09:15	04/05/19 08:25
40185325009	FS-MW-13-SO-5.5-6.5-20190403	Solid	04/03/19 09:15	04/05/19 08:25
40185325010	FS-MW-11-SO-4.5-5.5-20190403	Solid	04/03/19 10:15	04/05/19 08:25
40185325011	FS-MW-11-SO-6.5-7.5-20190403	Solid	04/03/19 10:25	04/05/19 08:25
40185325012	FS-MW-10-SO-3.5-4.5-20190403	Solid	04/03/19 11:15	04/05/19 08:25
40185325013	FS-MW-10-SO-4.5-5.5-20190403	Solid	04/03/19 11:25	04/05/19 08:25
40185325014	FS-MW-06-SO-3.5-4.5-20190403	Solid	04/03/19 12:15	04/05/19 08:25
40185325015	FS-MW-06-SO-4.5-5.5-20190403	Solid	04/03/19 12:25	04/05/19 08:25
40185325016	FS-MW-02-SO-3.5-4.5-20190403	Solid	04/03/19 14:10	04/05/19 08:25
40185325017	FS-MW-02-SO-4.5-5.5-20190403	Solid	04/03/19 14:20	04/05/19 08:25
40185325018	FS-MW-01-SO-3.5-4.5-20190403	Solid	04/03/19 14:45	04/05/19 08:25
40185325019	FS-MW-01-SO-4.5-5.5-20190403	Solid	04/03/19 14:55	04/05/19 08:25
40185325020	FS-MW-07-SO-4.5-5.5-20190404	Solid	04/04/19 10:30	04/05/19 08:25

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40185325001	FS-MW-12-SO-4.5-5.5-20190402	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40185325002	FS-MW-09-SO-5.5-6.5-20190402	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185325003	FS-MW-09-SO-6.5-7.5-20190402	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185325004	FS-MW-03-SO-0.5-1.5-20190402	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185325005	FS-MW-03-SO-1.5-2.5-20190402	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185325006	FS-MW-04-SO-2.5-3.5-20190402	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185325007	FS-MW-05-SO-2.5-3.5-20190402	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185325008	FS-MW-13-SO-4.5-5.5-20190403	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185325009	FS-MW-13-SO-5.5-6.5-20190403	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185325010	FS-MW-11-SO-4.5-5.5-20190403	EPA 6010	TXW	1	PASI-G

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### SAMPLE ANALYTE COUNT

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40185325011	FS-MW-11-SO-6.5-7.5-20190403	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
40185325012	FS-MW-10-SO-3.5-4.5-20190403	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
40185325013	FS-MW-10-SO-4.5-5.5-20190403	ASTM D2974-87	PCG	1	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185325014	FS-MW-06-SO-3.5-4.5-20190403	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
		EPA 6010	TXW	1	PASI-G
40185325015	FS-MW-06-SO-4.5-5.5-20190403	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
40185325016	FS-MW-02-SO-3.5-4.5-20190403	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
40185325017	FS-MW-02-SO-4.5-5.5-20190403	ASTM D2974-87	PCG	1	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
40185325018	FS-MW-01-SO-3.5-4.5-20190403	EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
		EPA 6010	TXW	1	PASI-G
40185325019	FS-MW-01-SO-4.5-5.5-20190403	EPA 8270 by SIM	ARO	20	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40185325020	FS-MW-07-SO-4.5-5.5-20190404	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	PCG	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-12-SO-4.5-5.5-20190402      **Lab ID:** 40185325001      Collected: 04/02/19 09:05      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	1.7J	mg/kg	2.2	0.65	1	04/09/19 07:11	04/10/19 16:36	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.2	ug/kg	14.1	4.2	1	04/08/19 09:00	04/08/19 17:10	83-32-9	
Acenaphthylene	<3.6	ug/kg	12.0	3.6	1	04/08/19 09:00	04/08/19 17:10	208-96-8	
Anthracene	<6.2	ug/kg	20.8	6.2	1	04/08/19 09:00	04/08/19 17:10	120-12-7	
Benzo(a)anthracene	<3.5	ug/kg	11.6	3.5	1	04/08/19 09:00	04/08/19 17:10	56-55-3	
Benzo(a)pyrene	<2.7	ug/kg	9.2	2.7	1	04/08/19 09:00	04/08/19 17:10	50-32-8	
Benzo(b)fluoranthene	<3.1	ug/kg	10.3	3.1	1	04/08/19 09:00	04/08/19 17:10	205-99-2	
Benzo(g,h,i)perylene	<2.2	ug/kg	7.4	2.2	1	04/08/19 09:00	04/08/19 17:10	191-24-2	
Benzo(k)fluoranthene	<2.7	ug/kg	9.1	2.7	1	04/08/19 09:00	04/08/19 17:10	207-08-9	
Chrysene	<3.7	ug/kg	12.3	3.7	1	04/08/19 09:00	04/08/19 17:10	218-01-9	
Dibenz(a,h)anthracene	<2.4	ug/kg	8.2	2.4	1	04/08/19 09:00	04/08/19 17:10	53-70-3	
Fluoranthene	<5.7	ug/kg	19.0	5.7	1	04/08/19 09:00	04/08/19 17:10	206-44-0	
Fluorene	<4.5	ug/kg	15.1	4.5	1	04/08/19 09:00	04/08/19 17:10	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.4	ug/kg	8.0	2.4	1	04/08/19 09:00	04/08/19 17:10	193-39-5	
1-Methylnaphthalene	<4.4	ug/kg	14.7	4.4	1	04/08/19 09:00	04/08/19 17:10	90-12-0	
2-Methylnaphthalene	<5.5	ug/kg	18.3	5.5	1	04/08/19 09:00	04/08/19 17:10	91-57-6	
Naphthalene	<9.2	ug/kg	30.7	9.2	1	04/08/19 09:00	04/08/19 17:10	91-20-3	
Phenanthrene	<12.7	ug/kg	42.4	12.7	1	04/08/19 09:00	04/08/19 17:10	85-01-8	
Pyrene	<4.9	ug/kg	16.4	4.9	1	04/08/19 09:00	04/08/19 17:10	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	61	%	28-99		1	04/08/19 09:00	04/08/19 17:10	321-60-8	
Terphenyl-d14 (S)	66	%	10-107		1	04/08/19 09:00	04/08/19 17:10	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 12:19	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 12:19	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 12:19	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 12:19	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	124-48-1	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-12-SO-4.5-5.5-20190402      **Lab ID:** 40185325001      **Collected:** 04/02/19 09:05      **Received:** 04/05/19 08:25      **Matrix:** Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 12:19	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 12:19	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 12:19	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 12:19	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	124	%	57-148		1	04/08/19 08:45	04/08/19 12:19	1868-53-7	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

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**Sample:** FS-MW-12-SO-4.5-5.5-20190402      **Lab ID:** 40185325001      Collected: 04/02/19 09:05      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	120	%	58-142		1	04/08/19 08:45	04/08/19 12:19	2037-26-5	
4-Bromofluorobenzene (S)	103	%	48-130		1	04/08/19 08:45	04/08/19 12:19	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>8.6</b>	%	0.10	0.10	1		04/16/19 10:09		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-09-SO-5.5-6.5-20190402** Lab ID: **40185325002** Collected: 04/02/19 10:20 Received: 04/05/19 08:25 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	11.3	mg/kg	5.0	1.5	2	04/09/19 07:11	04/11/19 11:45	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<5.0	ug/kg	16.6	5.0	1	04/08/19 09:00	04/08/19 17:27	83-32-9	
Acenaphthylene	<4.3	ug/kg	14.2	4.3	1	04/08/19 09:00	04/08/19 17:27	208-96-8	
Anthracene	<7.4	ug/kg	24.5	7.4	1	04/08/19 09:00	04/08/19 17:27	120-12-7	
Benzo(a)anthracene	<4.1	ug/kg	13.7	4.1	1	04/08/19 09:00	04/08/19 17:27	56-55-3	
Benzo(a)pyrene	<3.2	ug/kg	10.8	3.2	1	04/08/19 09:00	04/08/19 17:27	50-32-8	
Benzo(b)fluoranthene	<3.6	ug/kg	12.1	3.6	1	04/08/19 09:00	04/08/19 17:27	205-99-2	
Benzo(g,h,i)perylene	<2.6	ug/kg	8.7	2.6	1	04/08/19 09:00	04/08/19 17:27	191-24-2	
Benzo(k)fluoranthene	<3.2	ug/kg	10.8	3.2	1	04/08/19 09:00	04/08/19 17:27	207-08-9	
Chrysene	<4.4	ug/kg	14.5	4.4	1	04/08/19 09:00	04/08/19 17:27	218-01-9	
Dibenz(a,h)anthracene	<2.9	ug/kg	9.6	2.9	1	04/08/19 09:00	04/08/19 17:27	53-70-3	
Fluoranthene	<6.7	ug/kg	22.5	6.7	1	04/08/19 09:00	04/08/19 17:27	206-44-0	
Fluorene	<5.3	ug/kg	17.8	5.3	1	04/08/19 09:00	04/08/19 17:27	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.8	ug/kg	9.5	2.8	1	04/08/19 09:00	04/08/19 17:27	193-39-5	
1-Methylnaphthalene	<5.2	ug/kg	17.3	5.2	1	04/08/19 09:00	04/08/19 17:27	90-12-0	
2-Methylnaphthalene	<6.5	ug/kg	21.5	6.5	1	04/08/19 09:00	04/08/19 17:27	91-57-6	
Naphthalene	<10.9	ug/kg	36.3	10.9	1	04/08/19 09:00	04/08/19 17:27	91-20-3	
Phenanthrene	<15.0	ug/kg	50.1	15.0	1	04/08/19 09:00	04/08/19 17:27	85-01-8	
Pyrene	<5.8	ug/kg	19.4	5.8	1	04/08/19 09:00	04/08/19 17:27	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	64	%	28-99		1	04/08/19 09:00	04/08/19 17:27	321-60-8	
Terphenyl-d14 (S)	65	%	10-107		1	04/08/19 09:00	04/08/19 17:27	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 13:19	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 13:19	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 13:19	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 13:19	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	124-48-1	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-09-SO-5.5-6.5-20190402      **Lab ID:** 40185325002      Collected: 04/02/19 10:20      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 13:19	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 13:19	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 13:19	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:19	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	101	%	57-148		1	04/08/19 08:45	04/08/19 13:19	1868-53-7	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-09-SO-5.5-6.5-20190402      **Lab ID:** 40185325002      Collected: 04/02/19 10:20      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	93	%	58-142		1	04/08/19 08:45	04/08/19 13:19	2037-26-5	
4-Bromofluorobenzene (S)	89	%	48-130		1	04/08/19 08:45	04/08/19 13:19	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>22.6</b>	%	0.10	0.10	1		04/16/19 18:16		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-09-SO-6.5-7.5-20190402** Lab ID: **40185325003** Collected: 04/02/19 10:25 Received: 04/05/19 08:25 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	8.6	mg/kg	2.3	0.70	1	04/09/19 07:11	04/10/19 16:46	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.8	ug/kg	16.0	4.8	1	04/08/19 09:00	04/08/19 17:44	83-32-9	
Acenaphthylene	<4.1	ug/kg	13.6	4.1	1	04/08/19 09:00	04/08/19 17:44	208-96-8	
Anthracene	<7.1	ug/kg	23.5	7.1	1	04/08/19 09:00	04/08/19 17:44	120-12-7	
Benzo(a)anthracene	<3.9	ug/kg	13.1	3.9	1	04/08/19 09:00	04/08/19 17:44	56-55-3	
Benzo(a)pyrene	<3.1	ug/kg	10.4	3.1	1	04/08/19 09:00	04/08/19 17:44	50-32-8	
Benzo(b)fluoranthene	<3.5	ug/kg	11.7	3.5	1	04/08/19 09:00	04/08/19 17:44	205-99-2	
Benzo(g,h,i)perylene	<2.5	ug/kg	8.4	2.5	1	04/08/19 09:00	04/08/19 17:44	191-24-2	
Benzo(k)fluoranthene	<3.1	ug/kg	10.4	3.1	1	04/08/19 09:00	04/08/19 17:44	207-08-9	
Chrysene	<4.2	ug/kg	13.9	4.2	1	04/08/19 09:00	04/08/19 17:44	218-01-9	
Dibenz(a,h)anthracene	<2.8	ug/kg	9.2	2.8	1	04/08/19 09:00	04/08/19 17:44	53-70-3	
Fluoranthene	<6.5	ug/kg	21.6	6.5	1	04/08/19 09:00	04/08/19 17:44	206-44-0	
Fluorene	<5.1	ug/kg	17.1	5.1	1	04/08/19 09:00	04/08/19 17:44	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.7	ug/kg	9.1	2.7	1	04/08/19 09:00	04/08/19 17:44	193-39-5	
1-Methylnaphthalene	<5.0	ug/kg	16.6	5.0	1	04/08/19 09:00	04/08/19 17:44	90-12-0	
2-Methylnaphthalene	<6.2	ug/kg	20.7	6.2	1	04/08/19 09:00	04/08/19 17:44	91-57-6	
Naphthalene	13.6J	ug/kg	34.8	10.4	1	04/08/19 09:00	04/08/19 17:44	91-20-3	
Phenanthrene	<14.4	ug/kg	48.1	14.4	1	04/08/19 09:00	04/08/19 17:44	85-01-8	
Pyrene	<5.6	ug/kg	18.6	5.6	1	04/08/19 09:00	04/08/19 17:44	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	56	%	28-99		1	04/08/19 09:00	04/08/19 17:44	321-60-8	
Terphenyl-d14 (S)	63	%	10-107		1	04/08/19 09:00	04/08/19 17:44	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 14:19	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 14:19	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 14:19	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 14:19	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	124-48-1	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-09-SO-6.5-7.5-20190402      **Lab ID:** 40185325003      Collected: 04/02/19 10:25      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 14:19	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 14:19	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 14:19	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 14:19	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	95	%	57-148		1	04/08/19 08:45	04/08/19 14:19	1868-53-7	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

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**Sample:** FS-MW-09-SO-6.5-7.5-20190402      **Lab ID:** 40185325003      Collected: 04/02/19 10:25      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	100	%	58-142		1	04/08/19 08:45	04/08/19 14:19	2037-26-5	
4-Bromofluorobenzene (S)	86	%	48-130		1	04/08/19 08:45	04/08/19 14:19	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>19.4</b>	%	0.10	0.10	1		04/16/19 18:16		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-03-SO-0.5-1.5-20190402** Lab ID: **40185325004** Collected: 04/02/19 11:20 Received: 04/05/19 08:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	9.2	mg/kg	2.4	0.72	1	04/09/19 07:11	04/10/19 16:48	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.7	ug/kg	15.6	4.7	1	04/09/19 08:40	04/09/19 19:39	83-32-9	
Acenaphthylene	<4.0	ug/kg	13.3	4.0	1	04/09/19 08:40	04/09/19 19:39	208-96-8	
Anthracene	<6.9	ug/kg	23.0	6.9	1	04/09/19 08:40	04/09/19 19:39	120-12-7	
Benzo(a)anthracene	6.6J	ug/kg	12.8	3.8	1	04/09/19 08:40	04/09/19 19:39	56-55-3	
Benzo(a)pyrene	4.5J	ug/kg	10.1	3.0	1	04/09/19 08:40	04/09/19 19:39	50-32-8	
Benzo(b)fluoranthene	7.4J	ug/kg	11.4	3.4	1	04/09/19 08:40	04/09/19 19:39	205-99-2	
Benzo(g,h,i)perylene	3.8J	ug/kg	8.2	2.5	1	04/09/19 08:40	04/09/19 19:39	191-24-2	
Benzo(k)fluoranthene	<3.0	ug/kg	10.1	3.0	1	04/09/19 08:40	04/09/19 19:39	207-08-9	
Chrysene	6.5J	ug/kg	13.6	4.1	1	04/09/19 08:40	04/09/19 19:39	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	9.0	2.7	1	04/09/19 08:40	04/09/19 19:39	53-70-3	
Fluoranthene	11.3J	ug/kg	21.1	6.3	1	04/09/19 08:40	04/09/19 19:39	206-44-0	
Fluorene	<5.0	ug/kg	16.7	5.0	1	04/09/19 08:40	04/09/19 19:39	86-73-7	
Indeno(1,2,3-cd)pyrene	2.8J	ug/kg	8.9	2.7	1	04/09/19 08:40	04/09/19 19:39	193-39-5	
1-Methylnaphthalene	<4.9	ug/kg	16.2	4.9	1	04/09/19 08:40	04/09/19 19:39	90-12-0	
2-Methylnaphthalene	<6.1	ug/kg	20.2	6.1	1	04/09/19 08:40	04/09/19 19:39	91-57-6	
Naphthalene	<10.2	ug/kg	34.0	10.2	1	04/09/19 08:40	04/09/19 19:39	91-20-3	
Phenanthrene	<14.1	ug/kg	47.0	14.1	1	04/09/19 08:40	04/09/19 19:39	85-01-8	
Pyrene	8.3J	ug/kg	18.2	5.5	1	04/09/19 08:40	04/09/19 19:39	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	53	%	28-99		1	04/09/19 08:40	04/09/19 19:39	321-60-8	
Terphenyl-d14 (S)	56	%	10-107		1	04/09/19 08:40	04/09/19 19:39	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	71-43-2	W
Bromobenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	108-86-1	W
Bromochloromethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	74-97-5	W
Bromodichloromethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	75-27-4	W
Bromoform	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	75-25-2	W
Bromomethane	<79.4	ug/kg	284	79.4	1	04/08/19 08:45	04/08/19 14:42	74-83-9	W
n-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	104-51-8	W
sec-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	135-98-8	W
tert-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	98-06-6	W
Carbon tetrachloride	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	56-23-5	W
Chlorobenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	108-90-7	W
Chloroethane	<76.2	ug/kg	284	76.2	1	04/08/19 08:45	04/08/19 14:42	75-00-3	W
Chloroform	<52.8	ug/kg	284	52.8	1	04/08/19 08:45	04/08/19 14:42	67-66-3	W
Chloromethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	74-87-3	W
2-Chlorotoluene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	95-49-8	W
4-Chlorotoluene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	106-43-4	W
1,2-Dibromo-3-chloropropane	<104	ug/kg	284	104	1	04/08/19 08:45	04/08/19 14:42	96-12-8	W
Dibromochloromethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	124-48-1	W

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-03-SO-0.5-1.5-20190402** Lab ID: **40185325004** Collected: 04/02/19 11:20 Received: 04/05/19 08:25 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,2-Dibromoethane (EDB)	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	106-93-4	W
Dibromomethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	74-95-3	W
1,2-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	95-50-1	W
1,3-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	541-73-1	W
1,4-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	106-46-7	W
Dichlorodifluoromethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	75-71-8	W
1,1-Dichloroethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	75-34-3	W
1,2-Dichloroethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	107-06-2	W
1,1-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	75-35-4	W
cis-1,2-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	156-59-2	W
trans-1,2-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	156-60-5	W
1,2-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	78-87-5	W
1,3-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	142-28-9	W
2,2-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	594-20-7	W
1,1-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	563-58-6	W
cis-1,3-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	10061-01-5	W
trans-1,3-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	10061-02-6	W
Diisopropyl ether	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	108-20-3	W
Ethylbenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	100-41-4	W
Hexachloro-1,3-butadiene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	87-68-3	W
Isopropylbenzene (Cumene)	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	98-82-8	W
p-Isopropyltoluene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	99-87-6	W
Methylene Chloride	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	75-09-2	W
Methyl-tert-butyl ether	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	1634-04-4	W
Naphthalene	<45.5	ug/kg	284	45.5	1	04/08/19 08:45	04/08/19 14:42	91-20-3	W
n-Propylbenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	103-65-1	W
Styrene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	100-42-5	W
1,1,1,2-Tetrachloroethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	630-20-6	W
1,1,2,2-Tetrachloroethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	79-34-5	W
Tetrachloroethene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	127-18-4	W
Toluene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	108-88-3	W
1,2,3-Trichlorobenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	87-61-6	W
1,2,4-Trichlorobenzene	<54.0	ug/kg	284	54.0	1	04/08/19 08:45	04/08/19 14:42	120-82-1	W
1,1,1-Trichloroethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	71-55-6	W
1,1,2-Trichloroethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	79-00-5	W
Trichloroethene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	79-01-6	W
Trichlorofluoromethane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	75-69-4	W
1,2,3-Trichloropropane	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	96-18-4	W
1,2,4-Trimethylbenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	95-63-6	W
1,3,5-Trimethylbenzene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	108-67-8	W
Vinyl chloride	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	75-01-4	W
m&p-Xylene	<56.8	ug/kg	136	56.8	1	04/08/19 08:45	04/08/19 14:42	179601-23-1	W
o-Xylene	<28.4	ug/kg	68.2	28.4	1	04/08/19 08:45	04/08/19 14:42	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	93	%	57-148		1	04/08/19 08:45	04/08/19 14:42	1868-53-7	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-03-SO-0.5-1.5-20190402      **Lab ID:** 40185325004      Collected: 04/02/19 11:20      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	93	%	58-142		1	04/08/19 08:45	04/08/19 14:42	2037-26-5	
4-Bromofluorobenzene (S)	76	%	48-130		1	04/08/19 08:45	04/08/19 14:42	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>17.3</b>	%	0.10	0.10	1		04/16/19 18:17		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-03-SO-1.5-2.5-20190402** Lab ID: **40185325005** Collected: 04/02/19 11:25 Received: 04/05/19 08:25 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	5.5	mg/kg	3.9	1.2	1	04/09/19 07:11	04/10/19 16:51	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<8.0	ug/kg	26.7	8.0	1	04/09/19 08:40	04/09/19 17:04	83-32-9	
Acenaphthylene	<6.8	ug/kg	22.8	6.8	1	04/09/19 08:40	04/09/19 17:04	208-96-8	
Anthracene	<11.8	ug/kg	39.4	11.8	1	04/09/19 08:40	04/09/19 17:04	120-12-7	
Benzo(a)anthracene	<6.6	ug/kg	22.0	6.6	1	04/09/19 08:40	04/09/19 17:04	56-55-3	
Benzo(a)pyrene	<5.2	ug/kg	17.4	5.2	1	04/09/19 08:40	04/09/19 17:04	50-32-8	
Benzo(b)fluoranthene	<5.9	ug/kg	19.5	5.9	1	04/09/19 08:40	04/09/19 17:04	205-99-2	
Benzo(g,h,i)perylene	<4.2	ug/kg	14.0	4.2	1	04/09/19 08:40	04/09/19 17:04	191-24-2	
Benzo(k)fluoranthene	<5.2	ug/kg	17.3	5.2	1	04/09/19 08:40	04/09/19 17:04	207-08-9	
Chrysene	<7.0	ug/kg	23.2	7.0	1	04/09/19 08:40	04/09/19 17:04	218-01-9	
Dibenz(a,h)anthracene	<4.6	ug/kg	15.4	4.6	1	04/09/19 08:40	04/09/19 17:04	53-70-3	
Fluoranthene	<10.8	ug/kg	36.1	10.8	1	04/09/19 08:40	04/09/19 17:04	206-44-0	
Fluorene	<8.6	ug/kg	28.6	8.6	1	04/09/19 08:40	04/09/19 17:04	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.6	ug/kg	15.2	4.6	1	04/09/19 08:40	04/09/19 17:04	193-39-5	
1-Methylnaphthalene	<8.3	ug/kg	27.8	8.3	1	04/09/19 08:40	04/09/19 17:04	90-12-0	
2-Methylnaphthalene	<10.4	ug/kg	34.6	10.4	1	04/09/19 08:40	04/09/19 17:04	91-57-6	
Naphthalene	<17.5	ug/kg	58.3	17.5	1	04/09/19 08:40	04/09/19 17:04	91-20-3	
Phenanthrene	<24.2	ug/kg	80.4	24.2	1	04/09/19 08:40	04/09/19 17:04	85-01-8	
Pyrene	<9.4	ug/kg	31.1	9.4	1	04/09/19 08:40	04/09/19 17:04	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	24	%	28-99		1	04/09/19 08:40	04/09/19 17:04	321-60-8	2q,S0
Terphenyl-d14 (S)	7	%	10-107		1	04/09/19 08:40	04/09/19 17:04	1718-51-0	1q,S0
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	71-43-2	W
Bromobenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	108-86-1	W
Bromochloromethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	74-97-5	W
Bromodichloromethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	75-27-4	W
Bromoform	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	75-25-2	W
Bromomethane	<75.2	ug/kg	269	75.2	1	04/08/19 08:45	04/08/19 15:04	74-83-9	W
n-Butylbenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	104-51-8	W
sec-Butylbenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	135-98-8	W
tert-Butylbenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	98-06-6	W
Carbon tetrachloride	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	56-23-5	W
Chlorobenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	108-90-7	W
Chloroethane	<72.1	ug/kg	269	72.1	1	04/08/19 08:45	04/08/19 15:04	75-00-3	W
Chloroform	<49.9	ug/kg	269	49.9	1	04/08/19 08:45	04/08/19 15:04	67-66-3	W
Chloromethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	74-87-3	W
2-Chlorotoluene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	95-49-8	W
4-Chlorotoluene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	106-43-4	W
1,2-Dibromo-3-chloropropane	<98.1	ug/kg	269	98.1	1	04/08/19 08:45	04/08/19 15:04	96-12-8	W
Dibromochloromethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	124-48-1	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-03-SO-1.5-2.5-20190402      **Lab ID:** 40185325005      Collected: 04/02/19 11:25      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	106-93-4	W
Dibromomethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	74-95-3	W
1,2-Dichlorobenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	95-50-1	W
1,3-Dichlorobenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	541-73-1	W
1,4-Dichlorobenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	106-46-7	W
Dichlorodifluoromethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	75-71-8	W
1,1-Dichloroethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	75-34-3	W
1,2-Dichloroethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	107-06-2	W
1,1-Dichloroethene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	75-35-4	W
cis-1,2-Dichloroethene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	156-59-2	W
trans-1,2-Dichloroethene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	156-60-5	W
1,2-Dichloropropane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	78-87-5	W
1,3-Dichloropropane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	142-28-9	W
2,2-Dichloropropane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	594-20-7	W
1,1-Dichloropropene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	563-58-6	W
cis-1,3-Dichloropropene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	10061-01-5	W
trans-1,3-Dichloropropene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	10061-02-6	W
Diisopropyl ether	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	108-20-3	W
Ethylbenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	100-41-4	W
Hexachloro-1,3-butadiene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	87-68-3	W
Isopropylbenzene (Cumene)	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	98-82-8	W
p-Isopropyltoluene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	99-87-6	W
Methylene Chloride	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	75-09-2	W
Methyl-tert-butyl ether	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	1634-04-4	W
Naphthalene	<43.1	ug/kg	269	43.1	1	04/08/19 08:45	04/08/19 15:04	91-20-3	W
n-Propylbenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	103-65-1	W
Styrene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	100-42-5	W
1,1,1,2-Tetrachloroethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	630-20-6	W
1,1,2,2-Tetrachloroethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	79-34-5	W
Tetrachloroethene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	127-18-4	W
Toluene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	108-88-3	W
1,2,3-Trichlorobenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	87-61-6	W
1,2,4-Trichlorobenzene	<51.1	ug/kg	269	51.1	1	04/08/19 08:45	04/08/19 15:04	120-82-1	W
1,1,1-Trichloroethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	71-55-6	W
1,1,2-Trichloroethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	79-00-5	W
Trichloroethene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	79-01-6	W
Trichlorofluoromethane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	75-69-4	W
1,2,3-Trichloropropane	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	96-18-4	W
1,2,4-Trimethylbenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	95-63-6	W
1,3,5-Trimethylbenzene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	108-67-8	W
Vinyl chloride	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	75-01-4	W
m&p-Xylene	<53.8	ug/kg	129	53.8	1	04/08/19 08:45	04/08/19 15:04	179601-23-1	W
o-Xylene	<26.9	ug/kg	64.5	26.9	1	04/08/19 08:45	04/08/19 15:04	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	76	%	57-148		1	04/08/19 08:45	04/08/19 15:04	1868-53-7	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-03-SO-1.5-2.5-20190402      **Lab ID:** 40185325005      Collected: 04/02/19 11:25      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	15	%	58-142		1	04/08/19 08:45	04/08/19 15:04	2037-26-5	S1
4-Bromofluorobenzene (S)	3	%	48-130		1	04/08/19 08:45	04/08/19 15:04	460-00-4	S1
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>51.8</b>	%	0.10	0.10	1		04/16/19 18:17		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-04-SO-2.5-3.5-20190402** Lab ID: **40185325006** Collected: 04/02/19 12:15 Received: 04/05/19 08:25 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	1.3J	mg/kg	2.2	0.67	1	04/09/19 07:11	04/10/19 16:58	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.7	ug/kg	15.6	4.7	1	04/09/19 08:40	04/09/19 17:21	83-32-9	
Acenaphthylene	<4.0	ug/kg	13.3	4.0	1	04/09/19 08:40	04/09/19 17:21	208-96-8	
Anthracene	<6.9	ug/kg	23.0	6.9	1	04/09/19 08:40	04/09/19 17:21	120-12-7	
Benzo(a)anthracene	<3.8	ug/kg	12.8	3.8	1	04/09/19 08:40	04/09/19 17:21	56-55-3	
Benzo(a)pyrene	<3.0	ug/kg	10.1	3.0	1	04/09/19 08:40	04/09/19 17:21	50-32-8	
Benzo(b)fluoranthene	<3.4	ug/kg	11.4	3.4	1	04/09/19 08:40	04/09/19 17:21	205-99-2	
Benzo(g,h,i)perylene	<2.5	ug/kg	8.2	2.5	1	04/09/19 08:40	04/09/19 17:21	191-24-2	
Benzo(k)fluoranthene	<3.0	ug/kg	10.1	3.0	1	04/09/19 08:40	04/09/19 17:21	207-08-9	
Chrysene	<4.1	ug/kg	13.6	4.1	1	04/09/19 08:40	04/09/19 17:21	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	9.0	2.7	1	04/09/19 08:40	04/09/19 17:21	53-70-3	
Fluoranthene	<6.3	ug/kg	21.1	6.3	1	04/09/19 08:40	04/09/19 17:21	206-44-0	
Fluorene	<5.0	ug/kg	16.7	5.0	1	04/09/19 08:40	04/09/19 17:21	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.7	ug/kg	8.9	2.7	1	04/09/19 08:40	04/09/19 17:21	193-39-5	
1-Methylnaphthalene	<4.9	ug/kg	16.2	4.9	1	04/09/19 08:40	04/09/19 17:21	90-12-0	
2-Methylnaphthalene	<6.1	ug/kg	20.2	6.1	1	04/09/19 08:40	04/09/19 17:21	91-57-6	
Naphthalene	<10.2	ug/kg	34.1	10.2	1	04/09/19 08:40	04/09/19 17:21	91-20-3	
Phenanthrene	<14.1	ug/kg	47.0	14.1	1	04/09/19 08:40	04/09/19 17:21	85-01-8	
Pyrene	<5.5	ug/kg	18.2	5.5	1	04/09/19 08:40	04/09/19 17:21	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	66	%	28-99		1	04/09/19 08:40	04/09/19 17:21	321-60-8	
Terphenyl-d14 (S)	65	%	10-107		1	04/09/19 08:40	04/09/19 17:21	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 15:27	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 15:27	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 15:27	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 15:27	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	124-48-1	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-04-SO-2.5-3.5-20190402 **Lab ID:** 40185325006 **Collected:** 04/02/19 12:15 **Received:** 04/05/19 08:25 **Matrix:** Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 15:27	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 15:27	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 15:27	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:27	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	97	%	57-148		1	04/08/19 08:45	04/08/19 15:27	1868-53-7	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

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**Sample:** FS-MW-04-SO-2.5-3.5-20190402      **Lab ID:** 40185325006      Collected: 04/02/19 12:15      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	99	%	58-142		1	04/08/19 08:45	04/08/19 15:27	2037-26-5	
4-Bromofluorobenzene (S)	79	%	48-130		1	04/08/19 08:45	04/08/19 15:27	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>17.4</b>	%	0.10	0.10	1		04/16/19 18:17		

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-05-SO-2.5-3.5-20190402      **Lab ID:** 40185325007      Collected: 04/02/19 14:15      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	2.9	mg/kg	2.1	0.63	1	04/09/19 07:11	04/10/19 17:01	7439-92-1	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<4.3	ug/kg	14.1	4.3	1	04/09/19 08:40	04/09/19 17:38	83-32-9	
Acenaphthylene	<3.6	ug/kg	12.1	3.6	1	04/09/19 08:40	04/09/19 17:38	208-96-8	
Anthracene	<6.3	ug/kg	20.8	6.3	1	04/09/19 08:40	04/09/19 17:38	120-12-7	
Benzo(a)anthracene	<3.5	ug/kg	11.6	3.5	1	04/09/19 08:40	04/09/19 17:38	56-55-3	
Benzo(a)pyrene	<2.8	ug/kg	9.2	2.8	1	04/09/19 08:40	04/09/19 17:38	50-32-8	
Benzo(b)fluoranthene	<3.1	ug/kg	10.3	3.1	1	04/09/19 08:40	04/09/19 17:38	205-99-2	
Benzo(g,h,i)perylene	<2.2	ug/kg	7.4	2.2	1	04/09/19 08:40	04/09/19 17:38	191-24-2	
Benzo(k)fluoranthene	<2.8	ug/kg	9.2	2.8	1	04/09/19 08:40	04/09/19 17:38	207-08-9	
Chrysene	<3.7	ug/kg	12.3	3.7	1	04/09/19 08:40	04/09/19 17:38	218-01-9	
Dibenz(a,h)anthracene	<2.5	ug/kg	8.2	2.5	1	04/09/19 08:40	04/09/19 17:38	53-70-3	
Fluoranthene	<5.7	ug/kg	19.1	5.7	1	04/09/19 08:40	04/09/19 17:38	206-44-0	
Fluorene	<4.5	ug/kg	15.1	4.5	1	04/09/19 08:40	04/09/19 17:38	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.4	ug/kg	8.0	2.4	1	04/09/19 08:40	04/09/19 17:38	193-39-5	
1-Methylnaphthalene	<4.4	ug/kg	14.7	4.4	1	04/09/19 08:40	04/09/19 17:38	90-12-0	
2-Methylnaphthalene	<5.5	ug/kg	18.3	5.5	1	04/09/19 08:40	04/09/19 17:38	91-57-6	
Naphthalene	<9.2	ug/kg	30.8	9.2	1	04/09/19 08:40	04/09/19 17:38	91-20-3	
Phenanthrene	<12.8	ug/kg	42.5	12.8	1	04/09/19 08:40	04/09/19 17:38	85-01-8	
Pyrene	<4.9	ug/kg	16.4	4.9	1	04/09/19 08:40	04/09/19 17:38	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	58	%	28-99		1	04/09/19 08:40	04/09/19 17:38	321-60-8	
Terphenyl-d14 (S)	52	%	10-107		1	04/09/19 08:40	04/09/19 17:38	1718-51-0	
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 15:49	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 15:49	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 15:49	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 15:49	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	124-48-1	W

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

**Sample:** FS-MW-05-SO-2.5-3.5-20190402      **Lab ID:** 40185325007      Collected: 04/02/19 14:15      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 15:49	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 15:49	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 15:49	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 15:49	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	102	%	57-148		1	04/08/19 08:45	04/08/19 15:49	1868-53-7	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-05-SO-2.5-3.5-20190402      **Lab ID:** 40185325007      Collected: 04/02/19 14:15      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	102	%	58-142		1	04/08/19 08:45	04/08/19 15:49	2037-26-5	
4-Bromofluorobenzene (S)	83	%	48-130		1	04/08/19 08:45	04/08/19 15:49	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>8.8</b>	%	0.10	0.10	1		04/16/19 18:17		

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-13-SO-4.5-5.5-20190403** Lab ID: **40185325008** Collected: 04/03/19 09:15 Received: 04/05/19 08:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	<b>10.8</b>	mg/kg	2.1	0.63	1	04/09/19 07:11	04/10/19 17:03	7439-92-1	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<b>23.8J</b>	ug/kg	29.1	8.8	2	04/10/19 08:28	04/10/19 19:32	83-32-9	
Acenaphthylene	<b>25.7</b>	ug/kg	24.8	7.4	2	04/10/19 08:28	04/10/19 19:32	208-96-8	
Anthracene	<b>163</b>	ug/kg	42.9	12.9	2	04/10/19 08:28	04/10/19 19:32	120-12-7	
Benzo(a)anthracene	<b>488</b>	ug/kg	23.9	7.2	2	04/10/19 08:28	04/10/19 19:32	56-55-3	
Benzo(a)pyrene	<b>535</b>	ug/kg	18.9	5.7	2	04/10/19 08:28	04/10/19 19:32	50-32-8	
Benzo(b)fluoranthene	<b>698</b>	ug/kg	21.2	6.4	2	04/10/19 08:28	04/10/19 19:32	205-99-2	
Benzo(g,h,i)perylene	<b>157</b>	ug/kg	15.3	4.6	2	04/10/19 08:28	04/10/19 19:32	191-24-2	
Benzo(k)fluoranthene	<b>249</b>	ug/kg	18.9	5.7	2	04/10/19 08:28	04/10/19 19:32	207-08-9	
Chrysene	<b>434</b>	ug/kg	25.3	7.6	2	04/10/19 08:28	04/10/19 19:32	218-01-9	
Dibenz(a,h)anthracene	<b>53.5</b>	ug/kg	16.8	5.0	2	04/10/19 08:28	04/10/19 19:32	53-70-3	
Fluoranthene	<b>994</b>	ug/kg	39.3	11.7	2	04/10/19 08:28	04/10/19 19:32	206-44-0	
Fluorene	<b>42.9</b>	ug/kg	31.1	9.3	2	04/10/19 08:28	04/10/19 19:32	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>154</b>	ug/kg	16.5	5.0	2	04/10/19 08:28	04/10/19 19:32	193-39-5	
1-Methylnaphthalene	<b>11.4J</b>	ug/kg	30.2	9.1	2	04/10/19 08:28	04/10/19 19:32	90-12-0	
2-Methylnaphthalene	<b>14.2J</b>	ug/kg	37.7	11.3	2	04/10/19 08:28	04/10/19 19:32	91-57-6	
Naphthalene	<b>&lt;19.0</b>	ug/kg	63.4	19.0	2	04/10/19 08:28	04/10/19 19:32	91-20-3	
Phenanthrene	<b>444</b>	ug/kg	87.5	26.3	2	04/10/19 08:28	04/10/19 19:32	85-01-8	
Pyrene	<b>740</b>	ug/kg	33.8	10.2	2	04/10/19 08:28	04/10/19 19:32	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	56	%	28-99		2	04/10/19 08:28	04/10/19 19:32	321-60-8	
Terphenyl-d14 (S)	52	%	10-107		2	04/10/19 08:28	04/10/19 19:32	1718-51-0	
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 16:12	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 16:12	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 16:12	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	74-87-3	W
2-Chlorotoluene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	95-49-8	W
4-Chlorotoluene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	106-43-4	W
1,2-Dibromo-3-chloropropane	<b>&lt;91.2</b>	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 16:12	96-12-8	W
Dibromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	124-48-1	W

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

Sample: FS-MW-13-SO-4.5-5.5-20190403 Lab ID: 40185325008 Collected: 04/03/19 09:15 Received: 04/05/19 08:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 16:12	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 16:12	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 16:12	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:12	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	107	%	57-148		1	04/08/19 08:45	04/08/19 16:12	1868-53-7	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample: FS-MW-13-SO-4.5-5.5-20190403**      **Lab ID: 40185325008**      Collected: 04/03/19 09:15      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	108	%	58-142		1	04/08/19 08:45	04/08/19 16:12	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-130		1	04/08/19 08:45	04/08/19 16:12	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>11.3</b>	%	0.10	0.10	1		04/16/19 18:17		

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-13-SO-5.5-6.5-20190403** Lab ID: **40185325009** Collected: 04/03/19 09:15 Received: 04/05/19 08:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	<b>9.3</b>	mg/kg	2.3	0.69	1	04/09/19 07:11	04/10/19 17:05	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<b>9.1J</b>	ug/kg	14.9	4.5	1	04/10/19 08:28	04/10/19 15:12	83-32-9	
Acenaphthylene	<b>&lt;3.8</b>	ug/kg	12.7	3.8	1	04/10/19 08:28	04/10/19 15:12	208-96-8	
Anthracene	<b>39.1</b>	ug/kg	21.9	6.6	1	04/10/19 08:28	04/10/19 15:12	120-12-7	
Benzo(a)anthracene	<b>85.7</b>	ug/kg	12.2	3.7	1	04/10/19 08:28	04/10/19 15:12	56-55-3	
Benzo(a)pyrene	<b>82.9</b>	ug/kg	9.7	2.9	1	04/10/19 08:28	04/10/19 15:12	50-32-8	
Benzo(b)fluoranthene	<b>100</b>	ug/kg	10.9	3.3	1	04/10/19 08:28	04/10/19 15:12	205-99-2	
Benzo(g,h,i)perylene	<b>48.1</b>	ug/kg	7.8	2.3	1	04/10/19 08:28	04/10/19 15:12	191-24-2	
Benzo(k)fluoranthene	<b>46.3</b>	ug/kg	9.7	2.9	1	04/10/19 08:28	04/10/19 15:12	207-08-9	
Chrysene	<b>92.5</b>	ug/kg	12.9	3.9	1	04/10/19 08:28	04/10/19 15:12	218-01-9	
Dibenz(a,h)anthracene	<b>10.8</b>	ug/kg	8.6	2.6	1	04/10/19 08:28	04/10/19 15:12	53-70-3	
Fluoranthene	<b>220</b>	ug/kg	20.1	6.0	1	04/10/19 08:28	04/10/19 15:12	206-44-0	
Fluorene	<b>14.0J</b>	ug/kg	15.9	4.8	1	04/10/19 08:28	04/10/19 15:12	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>38.1</b>	ug/kg	8.5	2.5	1	04/10/19 08:28	04/10/19 15:12	193-39-5	
1-Methylnaphthalene	<b>&lt;4.6</b>	ug/kg	15.5	4.6	1	04/10/19 08:28	04/10/19 15:12	90-12-0	
2-Methylnaphthalene	<b>&lt;5.8</b>	ug/kg	19.3	5.8	1	04/10/19 08:28	04/10/19 15:12	91-57-6	
Naphthalene	<b>&lt;9.7</b>	ug/kg	32.4	9.7	1	04/10/19 08:28	04/10/19 15:12	91-20-3	
Phenanthrene	<b>134</b>	ug/kg	44.8	13.5	1	04/10/19 08:28	04/10/19 15:12	85-01-8	
Pyrene	<b>161</b>	ug/kg	17.3	5.2	1	04/10/19 08:28	04/10/19 15:12	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	47	%	28-99		1	04/10/19 08:28	04/10/19 15:12	321-60-8	
Terphenyl-d14 (S)	51	%	10-107		1	04/10/19 08:28	04/10/19 15:12	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 16:34	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 16:34	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 16:34	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	74-87-3	W
2-Chlorotoluene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	95-49-8	W
4-Chlorotoluene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	106-43-4	W
1,2-Dibromo-3-chloropropane	<b>&lt;91.2</b>	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 16:34	96-12-8	W
Dibromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	124-48-1	W

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

**Sample:** FS-MW-13-SO-5.5-6.5-20190403    **Lab ID:** 40185325009    Collected: 04/03/19 09:15    Received: 04/05/19 08:25    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 16:34	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 16:34	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 16:34	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:34	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	105	%	57-148		1	04/08/19 08:45	04/08/19 16:34	1868-53-7	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample: FS-MW-13-SO-5.5-6.5-20190403**      **Lab ID: 40185325009**      Collected: 04/03/19 09:15      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	105	%	58-142		1	04/08/19 08:45	04/08/19 16:34	2037-26-5	
4-Bromofluorobenzene (S)	88	%	48-130		1	04/08/19 08:45	04/08/19 16:34	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>13.4</b>	%	0.10	0.10	1		04/16/19 18:17		

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

**Sample:** FS-MW-11-SO-4.5-5.5-20190403      **Lab ID:** 40185325010      Collected: 04/03/19 10:15      Received: 04/05/19 08:25      Matrix: Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010    Preparation Method: EPA 3050									
Lead	9.9	mg/kg	2.3	0.70	1	04/09/19 07:11	04/10/19 17:08	7439-92-1	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3546									
Acenaphthene	<4.7	ug/kg	15.6	4.7	1	04/10/19 08:28	04/10/19 15:29	83-32-9	
Acenaphthylene	<4.0	ug/kg	13.3	4.0	1	04/10/19 08:28	04/10/19 15:29	208-96-8	
Anthracene	<6.9	ug/kg	23.0	6.9	1	04/10/19 08:28	04/10/19 15:29	120-12-7	
Benzo(a)anthracene	5.4J	ug/kg	12.9	3.8	1	04/10/19 08:28	04/10/19 15:29	56-55-3	
Benzo(a)pyrene	3.6J	ug/kg	10.2	3.0	1	04/10/19 08:28	04/10/19 15:29	50-32-8	
Benzo(b)fluoranthene	7.1J	ug/kg	11.4	3.4	1	04/10/19 08:28	04/10/19 15:29	205-99-2	
Benzo(g,h,i)perylene	3.7J	ug/kg	8.2	2.5	1	04/10/19 08:28	04/10/19 15:29	191-24-2	
Benzo(k)fluoranthene	3.3J	ug/kg	10.1	3.0	1	04/10/19 08:28	04/10/19 15:29	207-08-9	
Chrysene	6.5J	ug/kg	13.6	4.1	1	04/10/19 08:28	04/10/19 15:29	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	9.0	2.7	1	04/10/19 08:28	04/10/19 15:29	53-70-3	
Fluoranthene	13.5J	ug/kg	21.1	6.3	1	04/10/19 08:28	04/10/19 15:29	206-44-0	
Fluorene	<5.0	ug/kg	16.7	5.0	1	04/10/19 08:28	04/10/19 15:29	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.7	ug/kg	8.9	2.7	1	04/10/19 08:28	04/10/19 15:29	193-39-5	
1-Methylnaphthalene	<4.9	ug/kg	16.3	4.9	1	04/10/19 08:28	04/10/19 15:29	90-12-0	
2-Methylnaphthalene	<6.1	ug/kg	20.3	6.1	1	04/10/19 08:28	04/10/19 15:29	91-57-6	
Naphthalene	<10.2	ug/kg	34.1	10.2	1	04/10/19 08:28	04/10/19 15:29	91-20-3	
Phenanthrene	<14.1	ug/kg	47.1	14.1	1	04/10/19 08:28	04/10/19 15:29	85-01-8	
Pyrene	10.2J	ug/kg	18.2	5.5	1	04/10/19 08:28	04/10/19 15:29	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	57	%	28-99		1	04/10/19 08:28	04/10/19 15:29	321-60-8	
Terphenyl-d14 (S)	57	%	10-107		1	04/10/19 08:28	04/10/19 15:29	1718-51-0	
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 16:57	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 16:57	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 16:57	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 16:57	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	124-48-1	W

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: FS-MW-11-SO-4.5-5.5-20190403 Lab ID: 40185325010 Collected: 04/03/19 10:15 Received: 04/05/19 08:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 16:57	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 16:57	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 16:57	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 16:57	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	100	%	57-148		1	04/08/19 08:45	04/08/19 16:57	1868-53-7	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample: FS-MW-11-SO-4.5-5.5-20190403**      **Lab ID: 40185325010**      Collected: 04/03/19 10:15      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	93	%	58-142		1	04/08/19 08:45	04/08/19 16:57	2037-26-5	
4-Bromofluorobenzene (S)	77	%	48-130		1	04/08/19 08:45	04/08/19 16:57	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>17.5</b>	%	0.10	0.10	1		04/16/19 18:18		

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-11-SO-6.5-7.5-20190403    **Lab ID:** 40185325011    Collected: 04/03/19 10:25    Received: 04/05/19 08:25    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010    Preparation Method: EPA 3050									
Lead	49.1	mg/kg	2.6	0.77	1	04/09/19 07:11	04/10/19 17:10	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3546									
Acenaphthene	10.8J	ug/kg	17.1	5.2	1	04/10/19 08:28	04/10/19 15:47	83-32-9	
Acenaphthylene	11.4J	ug/kg	14.6	4.4	1	04/10/19 08:28	04/10/19 15:47	208-96-8	
Anthracene	26.4	ug/kg	25.2	7.6	1	04/10/19 08:28	04/10/19 15:47	120-12-7	
Benzo(a)anthracene	64.2	ug/kg	14.1	4.2	1	04/10/19 08:28	04/10/19 15:47	56-55-3	
Benzo(a)pyrene	65.8	ug/kg	11.1	3.3	1	04/10/19 08:28	04/10/19 15:47	50-32-8	
Benzo(b)fluoranthene	93.3	ug/kg	12.5	3.8	1	04/10/19 08:28	04/10/19 15:47	205-99-2	
Benzo(g,h,i)perylene	45.4	ug/kg	9.0	2.7	1	04/10/19 08:28	04/10/19 15:47	191-24-2	
Benzo(k)fluoranthene	39.7	ug/kg	11.1	3.3	1	04/10/19 08:28	04/10/19 15:47	207-08-9	
Chrysene	82.5	ug/kg	14.9	4.5	1	04/10/19 08:28	04/10/19 15:47	218-01-9	
Dibenz(a,h)anthracene	11.8	ug/kg	9.9	3.0	1	04/10/19 08:28	04/10/19 15:47	53-70-3	
Fluoranthene	180	ug/kg	23.1	6.9	1	04/10/19 08:28	04/10/19 15:47	206-44-0	
Fluorene	21.8	ug/kg	18.3	5.5	1	04/10/19 08:28	04/10/19 15:47	86-73-7	
Indeno(1,2,3-cd)pyrene	35.4	ug/kg	9.7	2.9	1	04/10/19 08:28	04/10/19 15:47	193-39-5	
1-Methylnaphthalene	17.9	ug/kg	17.8	5.3	1	04/10/19 08:28	04/10/19 15:47	90-12-0	
2-Methylnaphthalene	23.0	ug/kg	22.2	6.6	1	04/10/19 08:28	04/10/19 15:47	91-57-6	
Naphthalene	47.2	ug/kg	37.3	11.2	1	04/10/19 08:28	04/10/19 15:47	91-20-3	
Phenanthrene	133	ug/kg	51.5	15.5	1	04/10/19 08:28	04/10/19 15:47	85-01-8	
Pyrene	135	ug/kg	19.9	6.0	1	04/10/19 08:28	04/10/19 15:47	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	53	%	28-99		1	04/10/19 08:28	04/10/19 15:47	321-60-8	
Terphenyl-d14 (S)	58	%	10-107		1	04/10/19 08:28	04/10/19 15:47	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 17:20	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 17:20	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 17:20	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 17:20	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	124-48-1	W

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-11-SO-6.5-7.5-20190403      **Lab ID:** 40185325011      **Collected:** 04/03/19 10:25      **Received:** 04/05/19 08:25      **Matrix:** Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 17:20	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 17:20	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 17:20	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:20	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	98	%	57-148		1	04/08/19 08:45	04/08/19 17:20	1868-53-7	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

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**Sample:** FS-MW-11-SO-6.5-7.5-20190403      **Lab ID:** 40185325011      Collected: 04/03/19 10:25      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	95	%	58-142		1	04/08/19 08:45	04/08/19 17:20	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-130		1	04/08/19 08:45	04/08/19 17:20	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>24.7</b>	%	0.10	0.10	1		04/16/19 18:18		

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-10-SO-3.5-4.5-20190403** Lab ID: **40185325012** Collected: 04/03/19 11:15 Received: 04/05/19 08:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	23.8	mg/kg	2.2	0.66	1	04/09/19 07:11	04/10/19 17:13	7439-92-1	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	104	ug/kg	56.7	17.1	4	04/10/19 08:28	04/10/19 19:49	83-32-9	
Acenaphthylene	105	ug/kg	48.4	14.5	4	04/10/19 08:28	04/10/19 19:49	208-96-8	
Anthracene	259	ug/kg	83.5	25.1	4	04/10/19 08:28	04/10/19 19:49	120-12-7	
Benzo(a)anthracene	638	ug/kg	46.6	13.9	4	04/10/19 08:28	04/10/19 19:49	56-55-3	
Benzo(a)pyrene	714	ug/kg	36.8	11.0	4	04/10/19 08:28	04/10/19 19:49	50-32-8	
Benzo(b)fluoranthene	847	ug/kg	41.4	12.4	4	04/10/19 08:28	04/10/19 19:49	205-99-2	
Benzo(g,h,i)perylene	306	ug/kg	29.8	8.9	4	04/10/19 08:28	04/10/19 19:49	191-24-2	
Benzo(k)fluoranthene	187	ug/kg	36.8	11.0	4	04/10/19 08:28	04/10/19 19:49	207-08-9	
Chrysene	493	ug/kg	49.2	14.8	4	04/10/19 08:28	04/10/19 19:49	218-01-9	
Dibenz(a,h)anthracene	84.1	ug/kg	32.8	9.8	4	04/10/19 08:28	04/10/19 19:49	53-70-3	
Fluoranthene	1060	ug/kg	76.5	22.9	4	04/10/19 08:28	04/10/19 19:49	206-44-0	
Fluorene	155	ug/kg	60.7	18.2	4	04/10/19 08:28	04/10/19 19:49	86-73-7	
Indeno(1,2,3-cd)pyrene	193	ug/kg	32.2	9.7	4	04/10/19 08:28	04/10/19 19:49	193-39-5	
1-Methylnaphthalene	48.1J	ug/kg	58.9	17.7	4	04/10/19 08:28	04/10/19 19:49	90-12-0	
2-Methylnaphthalene	66.1J	ug/kg	73.4	22.0	4	04/10/19 08:28	04/10/19 19:49	91-57-6	
Naphthalene	60.8J	ug/kg	124	37.0	4	04/10/19 08:28	04/10/19 19:49	91-20-3	
Phenanthrene	834	ug/kg	171	51.2	4	04/10/19 08:28	04/10/19 19:49	85-01-8	
Pyrene	1480	ug/kg	65.9	19.8	4	04/10/19 08:28	04/10/19 19:49	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	50	%	28-99		4	04/10/19 08:28	04/10/19 19:49	321-60-8	
Terphenyl-d14 (S)	45	%	10-107		4	04/10/19 08:28	04/10/19 19:49	1718-51-0	
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 17:42	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 17:42	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 17:42	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 17:42	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	124-48-1	W

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-10-SO-3.5-4.5-20190403      **Lab ID:** 40185325012      Collected: 04/03/19 11:15      Received: 04/05/19 08:25      Matrix: Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 17:42	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 17:42	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 17:42	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 17:42	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	109	%	57-148		1	04/08/19 08:45	04/08/19 17:42	1868-53-7	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample: FS-MW-10-SO-3.5-4.5-20190403**      **Lab ID: 40185325012**      Collected: 04/03/19 11:15      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	102	%	58-142		1	04/08/19 08:45	04/08/19 17:42	2037-26-5	
4-Bromofluorobenzene (S)	81	%	48-130		1	04/08/19 08:45	04/08/19 17:42	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>9.0</b>	%	0.10	0.10	1		04/16/19 18:18		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

**Sample:** FS-MW-10-SO-4.5-5.5-20190403      **Lab ID:** 40185325013      Collected: 04/03/19 11:25      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010    Preparation Method: EPA 3050									
Lead	17.8	mg/kg	2.5	0.74	1	04/09/19 07:11	04/10/19 17:15	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3546									
Acenaphthene	<5.0	ug/kg	16.8	5.0	1	04/10/19 08:28	04/10/19 16:04	83-32-9	
Acenaphthylene	<4.3	ug/kg	14.3	4.3	1	04/10/19 08:28	04/10/19 16:04	208-96-8	
Anthracene	9.4J	ug/kg	24.7	7.4	1	04/10/19 08:28	04/10/19 16:04	120-12-7	
Benzo(a)anthracene	23.9	ug/kg	13.8	4.1	1	04/10/19 08:28	04/10/19 16:04	56-55-3	
Benzo(a)pyrene	23.0	ug/kg	10.9	3.3	1	04/10/19 08:28	04/10/19 16:04	50-32-8	
Benzo(b)fluoranthene	38.4	ug/kg	12.2	3.7	1	04/10/19 08:28	04/10/19 16:04	205-99-2	
Benzo(g,h,i)perylene	20.1	ug/kg	8.8	2.6	1	04/10/19 08:28	04/10/19 16:04	191-24-2	
Benzo(k)fluoranthene	13.8	ug/kg	10.9	3.3	1	04/10/19 08:28	04/10/19 16:04	207-08-9	
Chrysene	31.6	ug/kg	14.5	4.4	1	04/10/19 08:28	04/10/19 16:04	218-01-9	
Dibenz(a,h)anthracene	4.8J	ug/kg	9.7	2.9	1	04/10/19 08:28	04/10/19 16:04	53-70-3	
Fluoranthene	56.9	ug/kg	22.6	6.8	1	04/10/19 08:28	04/10/19 16:04	206-44-0	
Fluorene	<5.4	ug/kg	17.9	5.4	1	04/10/19 08:28	04/10/19 16:04	86-73-7	
Indeno(1,2,3-cd)pyrene	14.1	ug/kg	9.5	2.9	1	04/10/19 08:28	04/10/19 16:04	193-39-5	
1-Methylnaphthalene	8.1J	ug/kg	17.4	5.2	1	04/10/19 08:28	04/10/19 16:04	90-12-0	
2-Methylnaphthalene	14.5J	ug/kg	21.7	6.5	1	04/10/19 08:28	04/10/19 16:04	91-57-6	
Naphthalene	<10.9	ug/kg	36.5	10.9	1	04/10/19 08:28	04/10/19 16:04	91-20-3	
Phenanthrene	40.0J	ug/kg	50.4	15.1	1	04/10/19 08:28	04/10/19 16:04	85-01-8	
Pyrene	42.0	ug/kg	19.5	5.9	1	04/10/19 08:28	04/10/19 16:04	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	52	%	28-99		1	04/10/19 08:28	04/10/19 16:04	321-60-8	
Terphenyl-d14 (S)	54	%	10-107		1	04/10/19 08:28	04/10/19 16:04	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 18:05	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 18:05	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 18:05	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 18:05	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	124-48-1	W

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-10-SO-4.5-5.5-20190403      **Lab ID:** 40185325013      Collected: 04/03/19 11:25      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 18:05	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 18:05	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 18:05	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:05	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	97	%	57-148		1	04/08/19 08:45	04/08/19 18:05	1868-53-7	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

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**Sample:** FS-MW-10-SO-4.5-5.5-20190403      **Lab ID:** 40185325013      Collected: 04/03/19 11:25      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	92	%	58-142		1	04/08/19 08:45	04/08/19 18:05	2037-26-5	
4-Bromofluorobenzene (S)	72	%	48-130		1	04/08/19 08:45	04/08/19 18:05	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>23.0</b>	%	0.10	0.10	1		04/16/19 18:18		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-06-SO-3.5-4.5-20190403** Lab ID: **40185325014** Collected: 04/03/19 12:15 Received: 04/05/19 08:25 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	9.0	mg/kg	4.7	1.4	2	04/09/19 07:11	04/11/19 11:48	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.9	ug/kg	16.2	4.9	1	04/10/19 08:28	04/10/19 16:21	83-32-9	
Acenaphthylene	<4.1	ug/kg	13.8	4.1	1	04/10/19 08:28	04/10/19 16:21	208-96-8	
Anthracene	<7.2	ug/kg	23.8	7.2	1	04/10/19 08:28	04/10/19 16:21	120-12-7	
Benzo(a)anthracene	<4.0	ug/kg	13.3	4.0	1	04/10/19 08:28	04/10/19 16:21	56-55-3	
Benzo(a)pyrene	<3.2	ug/kg	10.5	3.2	1	04/10/19 08:28	04/10/19 16:21	50-32-8	
Benzo(b)fluoranthene	<3.5	ug/kg	11.8	3.5	1	04/10/19 08:28	04/10/19 16:21	205-99-2	
Benzo(g,h,i)perylene	<2.6	ug/kg	8.5	2.6	1	04/10/19 08:28	04/10/19 16:21	191-24-2	
Benzo(k)fluoranthene	<3.1	ug/kg	10.5	3.1	1	04/10/19 08:28	04/10/19 16:21	207-08-9	
Chrysene	<4.2	ug/kg	14.1	4.2	1	04/10/19 08:28	04/10/19 16:21	218-01-9	
Dibenz(a,h)anthracene	<2.8	ug/kg	9.3	2.8	1	04/10/19 08:28	04/10/19 16:21	53-70-3	
Fluoranthene	<6.5	ug/kg	21.8	6.5	1	04/10/19 08:28	04/10/19 16:21	206-44-0	
Fluorene	<5.2	ug/kg	17.3	5.2	1	04/10/19 08:28	04/10/19 16:21	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.8	ug/kg	9.2	2.8	1	04/10/19 08:28	04/10/19 16:21	193-39-5	
1-Methylnaphthalene	<5.0	ug/kg	16.8	5.0	1	04/10/19 08:28	04/10/19 16:21	90-12-0	
2-Methylnaphthalene	<6.3	ug/kg	21.0	6.3	1	04/10/19 08:28	04/10/19 16:21	91-57-6	
Naphthalene	<10.6	ug/kg	35.3	10.6	1	04/10/19 08:28	04/10/19 16:21	91-20-3	
Phenanthrene	<14.6	ug/kg	48.7	14.6	1	04/10/19 08:28	04/10/19 16:21	85-01-8	
Pyrene	<5.7	ug/kg	18.8	5.7	1	04/10/19 08:28	04/10/19 16:21	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	64	%	28-99		1	04/10/19 08:28	04/10/19 16:21	321-60-8	
Terphenyl-d14 (S)	64	%	10-107		1	04/10/19 08:28	04/10/19 16:21	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 18:28	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 18:28	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 18:28	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 18:28	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	124-48-1	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

**Sample:** FS-MW-06-SO-3.5-4.5-20190403 **Lab ID:** 40185325014 **Collected:** 04/03/19 12:15 **Received:** 04/05/19 08:25 **Matrix:** Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 18:28	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 18:28	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 18:28	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:28	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	109	%	57-148		1	04/08/19 08:45	04/08/19 18:28	1868-53-7	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

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**Sample:** FS-MW-06-SO-3.5-4.5-20190403      **Lab ID:** 40185325014      Collected: 04/03/19 12:15      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	104	%	58-142		1	04/08/19 08:45	04/08/19 18:28	2037-26-5	
4-Bromofluorobenzene (S)	83	%	48-130		1	04/08/19 08:45	04/08/19 18:28	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>20.4</b>	%	0.10	0.10	1		04/16/19 18:18		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-06-SO-4.5-5.5-20190403** Lab ID: **40185325015** Collected: 04/03/19 12:25 Received: 04/05/19 08:25 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	7.0	mg/kg	2.4	0.71	1	04/09/19 07:11	04/10/19 17:20	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.7	ug/kg	15.7	4.7	1	04/10/19 08:28	04/10/19 16:38	83-32-9	
Acenaphthylene	<4.0	ug/kg	13.4	4.0	1	04/10/19 08:28	04/10/19 16:38	208-96-8	
Anthracene	<7.0	ug/kg	23.2	7.0	1	04/10/19 08:28	04/10/19 16:38	120-12-7	
Benzo(a)anthracene	<3.9	ug/kg	12.9	3.9	1	04/10/19 08:28	04/10/19 16:38	56-55-3	
Benzo(a)pyrene	<3.1	ug/kg	10.2	3.1	1	04/10/19 08:28	04/10/19 16:38	50-32-8	
Benzo(b)fluoranthene	<3.4	ug/kg	11.5	3.4	1	04/10/19 08:28	04/10/19 16:38	205-99-2	
Benzo(g,h,i)perylene	<2.5	ug/kg	8.3	2.5	1	04/10/19 08:28	04/10/19 16:38	191-24-2	
Benzo(k)fluoranthene	<3.1	ug/kg	10.2	3.1	1	04/10/19 08:28	04/10/19 16:38	207-08-9	
Chrysene	<4.1	ug/kg	13.7	4.1	1	04/10/19 08:28	04/10/19 16:38	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	9.1	2.7	1	04/10/19 08:28	04/10/19 16:38	53-70-3	
Fluoranthene	<6.4	ug/kg	21.2	6.4	1	04/10/19 08:28	04/10/19 16:38	206-44-0	
Fluorene	<5.0	ug/kg	16.8	5.0	1	04/10/19 08:28	04/10/19 16:38	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.7	ug/kg	8.9	2.7	1	04/10/19 08:28	04/10/19 16:38	193-39-5	
1-Methylnaphthalene	<4.9	ug/kg	16.3	4.9	1	04/10/19 08:28	04/10/19 16:38	90-12-0	
2-Methylnaphthalene	<6.1	ug/kg	20.4	6.1	1	04/10/19 08:28	04/10/19 16:38	91-57-6	
Naphthalene	<10.3	ug/kg	34.3	10.3	1	04/10/19 08:28	04/10/19 16:38	91-20-3	
Phenanthrene	<14.2	ug/kg	47.3	14.2	1	04/10/19 08:28	04/10/19 16:38	85-01-8	
Pyrene	<5.5	ug/kg	18.3	5.5	1	04/10/19 08:28	04/10/19 16:38	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	56	%	28-99		1	04/10/19 08:28	04/10/19 16:38	321-60-8	
Terphenyl-d14 (S)	59	%	10-107		1	04/10/19 08:28	04/10/19 16:38	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 18:51	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 18:51	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 18:51	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 18:51	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	124-48-1	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-06-SO-4.5-5.5-20190403      **Lab ID:** 40185325015      Collected: 04/03/19 12:25      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 18:51	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 18:51	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 18:51	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 18:51	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	107	%	57-148		1	04/08/19 08:45	04/08/19 18:51	1868-53-7	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-06-SO-4.5-5.5-20190403      **Lab ID:** 40185325015      Collected: 04/03/19 12:25      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	98	%	58-142		1	04/08/19 08:45	04/08/19 18:51	2037-26-5	
4-Bromofluorobenzene (S)	78	%	48-130		1	04/08/19 08:45	04/08/19 18:51	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>18.1</b>	%	0.10	0.10	1		04/16/19 18:18		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

**Sample:** FS-MW-02-SO-3.5-4.5-20190403      **Lab ID:** 40185325016      Collected: 04/03/19 14:10      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	10.8	mg/kg	2.4	0.73	1	04/09/19 07:11	04/10/19 17:27	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.9	ug/kg	16.4	4.9	1	04/10/19 08:28	04/10/19 16:56	83-32-9	
Acenaphthylene	<4.2	ug/kg	14.0	4.2	1	04/10/19 08:28	04/10/19 16:56	208-96-8	
Anthracene	<7.3	ug/kg	24.2	7.3	1	04/10/19 08:28	04/10/19 16:56	120-12-7	
Benzo(a)anthracene	<4.0	ug/kg	13.5	4.0	1	04/10/19 08:28	04/10/19 16:56	56-55-3	
Benzo(a)pyrene	<3.2	ug/kg	10.7	3.2	1	04/10/19 08:28	04/10/19 16:56	50-32-8	
Benzo(b)fluoranthene	<3.6	ug/kg	12.0	3.6	1	04/10/19 08:28	04/10/19 16:56	205-99-2	
Benzo(g,h,i)perylene	<2.6	ug/kg	8.6	2.6	1	04/10/19 08:28	04/10/19 16:56	191-24-2	
Benzo(k)fluoranthene	<3.2	ug/kg	10.6	3.2	1	04/10/19 08:28	04/10/19 16:56	207-08-9	
Chrysene	<4.3	ug/kg	14.3	4.3	1	04/10/19 08:28	04/10/19 16:56	218-01-9	
Dibenz(a,h)anthracene	<2.8	ug/kg	9.5	2.8	1	04/10/19 08:28	04/10/19 16:56	53-70-3	
Fluoranthene	<6.6	ug/kg	22.1	6.6	1	04/10/19 08:28	04/10/19 16:56	206-44-0	
Fluorene	<5.3	ug/kg	17.6	5.3	1	04/10/19 08:28	04/10/19 16:56	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.8	ug/kg	9.3	2.8	1	04/10/19 08:28	04/10/19 16:56	193-39-5	
1-Methylnaphthalene	<5.1	ug/kg	17.1	5.1	1	04/10/19 08:28	04/10/19 16:56	90-12-0	
2-Methylnaphthalene	<6.4	ug/kg	21.3	6.4	1	04/10/19 08:28	04/10/19 16:56	91-57-6	
Naphthalene	<10.7	ug/kg	35.8	10.7	1	04/10/19 08:28	04/10/19 16:56	91-20-3	
Phenanthrene	<14.8	ug/kg	49.4	14.8	1	04/10/19 08:28	04/10/19 16:56	85-01-8	
Pyrene	<5.7	ug/kg	19.1	5.7	1	04/10/19 08:28	04/10/19 16:56	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	47	%	28-99		1	04/10/19 08:28	04/10/19 16:56	321-60-8	
Terphenyl-d14 (S)	47	%	10-107		1	04/10/19 08:28	04/10/19 16:56	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 19:13	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 19:13	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 19:13	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 19:13	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	124-48-1	W

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-02-SO-3.5-4.5-20190403** Lab ID: **40185325016** Collected: 04/03/19 14:10 Received: 04/05/19 08:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 19:13	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 19:13	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 19:13	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:13	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	107	%	57-148		1	04/08/19 08:45	04/08/19 19:13	1868-53-7	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample: FS-MW-02-SO-3.5-4.5-20190403**      **Lab ID: 40185325016**      Collected: 04/03/19 14:10      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	100	%	58-142		1	04/08/19 08:45	04/08/19 19:13	2037-26-5	
4-Bromofluorobenzene (S)	77	%	48-130		1	04/08/19 08:45	04/08/19 19:13	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>21.5</b>	%	0.10	0.10	1		04/16/19 18:18		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-02-SO-4.5-5.5-20190403** Lab ID: **40185325017** Collected: 04/03/19 14:20 Received: 04/05/19 08:25 Matrix: Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	<b>3.8J</b>	mg/kg	5.6	1.7	2	04/09/19 07:11	04/11/19 11:50	7439-92-1	D3
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<b>&lt;5.6</b>	ug/kg	18.8	5.6	1	04/10/19 08:28	04/10/19 17:13	83-32-9	
Acenaphthylene	<b>&lt;4.8</b>	ug/kg	16.0	4.8	1	04/10/19 08:28	04/10/19 17:13	208-96-8	
Anthracene	<b>&lt;8.3</b>	ug/kg	27.6	8.3	1	04/10/19 08:28	04/10/19 17:13	120-12-7	
Benzo(a)anthracene	<b>&lt;4.6</b>	ug/kg	15.4	4.6	1	04/10/19 08:28	04/10/19 17:13	56-55-3	
Benzo(a)pyrene	<b>&lt;3.7</b>	ug/kg	12.2	3.7	1	04/10/19 08:28	04/10/19 17:13	50-32-8	
Benzo(b)fluoranthene	<b>&lt;4.1</b>	ug/kg	13.7	4.1	1	04/10/19 08:28	04/10/19 17:13	205-99-2	
Benzo(g,h,i)perylene	<b>&lt;3.0</b>	ug/kg	9.8	3.0	1	04/10/19 08:28	04/10/19 17:13	191-24-2	
Benzo(k)fluoranthene	<b>&lt;3.6</b>	ug/kg	12.2	3.6	1	04/10/19 08:28	04/10/19 17:13	207-08-9	
Chrysene	<b>&lt;4.9</b>	ug/kg	16.3	4.9	1	04/10/19 08:28	04/10/19 17:13	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;3.3</b>	ug/kg	10.8	3.3	1	04/10/19 08:28	04/10/19 17:13	53-70-3	
Fluoranthene	<b>&lt;7.6</b>	ug/kg	25.3	7.6	1	04/10/19 08:28	04/10/19 17:13	206-44-0	
Fluorene	<b>&lt;6.0</b>	ug/kg	20.1	6.0	1	04/10/19 08:28	04/10/19 17:13	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;3.2</b>	ug/kg	10.7	3.2	1	04/10/19 08:28	04/10/19 17:13	193-39-5	
1-Methylnaphthalene	<b>&lt;5.9</b>	ug/kg	19.5	5.9	1	04/10/19 08:28	04/10/19 17:13	90-12-0	
2-Methylnaphthalene	<b>&lt;7.3</b>	ug/kg	24.3	7.3	1	04/10/19 08:28	04/10/19 17:13	91-57-6	
Naphthalene	<b>&lt;12.2</b>	ug/kg	40.9	12.2	1	04/10/19 08:28	04/10/19 17:13	91-20-3	
Phenanthrene	<b>&lt;16.9</b>	ug/kg	56.4	16.9	1	04/10/19 08:28	04/10/19 17:13	85-01-8	
Pyrene	<b>&lt;6.6</b>	ug/kg	21.8	6.6	1	04/10/19 08:28	04/10/19 17:13	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	46	%	28-99		1	04/10/19 08:28	04/10/19 17:13	321-60-8	
Terphenyl-d14 (S)	51	%	10-107		1	04/10/19 08:28	04/10/19 17:13	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	71-43-2	W
Bromobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	108-86-1	W
Bromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	74-97-5	W
Bromodichloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	75-27-4	W
Bromoform	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	75-25-2	W
Bromomethane	<b>&lt;69.9</b>	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 19:36	74-83-9	W
n-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	104-51-8	W
sec-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	135-98-8	W
tert-Butylbenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	98-06-6	W
Carbon tetrachloride	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	56-23-5	W
Chlorobenzene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	108-90-7	W
Chloroethane	<b>&lt;67.0</b>	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 19:36	75-00-3	W
Chloroform	<b>&lt;46.4</b>	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 19:36	67-66-3	W
Chloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	74-87-3	W
2-Chlorotoluene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	95-49-8	W
4-Chlorotoluene	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	106-43-4	W
1,2-Dibromo-3-chloropropane	<b>&lt;91.2</b>	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 19:36	96-12-8	W
Dibromochloromethane	<b>&lt;25.0</b>	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	124-48-1	W

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-02-SO-4.5-5.5-20190403** Lab ID: **40185325017** Collected: 04/03/19 14:20 Received: 04/05/19 08:25 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 19:36	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 19:36	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 19:36	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 19:36	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	111	%	57-148		1	04/08/19 08:45	04/08/19 19:36	1868-53-7	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-02-SO-4.5-5.5-20190403      **Lab ID:** 40185325017      Collected: 04/03/19 14:20      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	105	%	58-142		1	04/08/19 08:45	04/08/19 19:36	2037-26-5	
4-Bromofluorobenzene (S)	81	%	48-130		1	04/08/19 08:45	04/08/19 19:36	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>31.2</b>	%	0.10	0.10	1		04/17/19 10:36		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample:** FS-MW-01-SO-3.5-4.5-20190403      **Lab ID:** 40185325018      Collected: 04/03/19 14:45      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	11.8	mg/kg	2.4	0.71	1	04/09/19 07:11	04/10/19 17:32	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<5.0	ug/kg	16.5	5.0	1	04/10/19 08:28	04/10/19 17:30	83-32-9	
Acenaphthylene	<4.2	ug/kg	14.0	4.2	1	04/10/19 08:28	04/10/19 17:30	208-96-8	
Anthracene	<7.3	ug/kg	24.3	7.3	1	04/10/19 08:28	04/10/19 17:30	120-12-7	
Benzo(a)anthracene	4.2J	ug/kg	13.5	4.0	1	04/10/19 08:28	04/10/19 17:30	56-55-3	
Benzo(a)pyrene	<3.2	ug/kg	10.7	3.2	1	04/10/19 08:28	04/10/19 17:30	50-32-8	
Benzo(b)fluoranthene	5.0J	ug/kg	12.0	3.6	1	04/10/19 08:28	04/10/19 17:30	205-99-2	
Benzo(g,h,i)perylene	3.3J	ug/kg	8.6	2.6	1	04/10/19 08:28	04/10/19 17:30	191-24-2	
Benzo(k)fluoranthene	<3.2	ug/kg	10.7	3.2	1	04/10/19 08:28	04/10/19 17:30	207-08-9	
Chrysene	4.7J	ug/kg	14.3	4.3	1	04/10/19 08:28	04/10/19 17:30	218-01-9	
Dibenz(a,h)anthracene	<2.9	ug/kg	9.5	2.9	1	04/10/19 08:28	04/10/19 17:30	53-70-3	
Fluoranthene	6.7J	ug/kg	22.2	6.6	1	04/10/19 08:28	04/10/19 17:30	206-44-0	
Fluorene	<5.3	ug/kg	17.6	5.3	1	04/10/19 08:28	04/10/19 17:30	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.8	ug/kg	9.4	2.8	1	04/10/19 08:28	04/10/19 17:30	193-39-5	
1-Methylnaphthalene	<5.1	ug/kg	17.1	5.1	1	04/10/19 08:28	04/10/19 17:30	90-12-0	
2-Methylnaphthalene	<6.4	ug/kg	21.3	6.4	1	04/10/19 08:28	04/10/19 17:30	91-57-6	
Naphthalene	<10.8	ug/kg	35.9	10.8	1	04/10/19 08:28	04/10/19 17:30	91-20-3	
Phenanthrene	<14.9	ug/kg	49.5	14.9	1	04/10/19 08:28	04/10/19 17:30	85-01-8	
Pyrene	<5.8	ug/kg	19.1	5.8	1	04/10/19 08:28	04/10/19 17:30	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	49	%	28-99		1	04/10/19 08:28	04/10/19 17:30	321-60-8	
Terphenyl-d14 (S)	51	%	10-107		1	04/10/19 08:28	04/10/19 17:30	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/09/19 10:27	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/09/19 10:27	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/09/19 10:27	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/09/19 10:27	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	124-48-1	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

Sample: **FS-MW-01-SO-3.5-4.5-20190403** Lab ID: **40185325018** Collected: 04/03/19 14:45 Received: 04/05/19 08:25 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/09/19 10:27	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/09/19 10:27	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/09/19 10:27	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:27	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	113	%	57-148		1	04/08/19 08:45	04/09/19 10:27	1868-53-7	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample: FS-MW-01-SO-3.5-4.5-20190403**      **Lab ID: 40185325018**      Collected: 04/03/19 14:45      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	103	%	58-142		1	04/08/19 08:45	04/09/19 10:27	2037-26-5	
4-Bromofluorobenzene (S)	82	%	48-130		1	04/08/19 08:45	04/09/19 10:27	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>21.7</b>	%	0.10	0.10	1		04/17/19 10:36		

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: FS-MW-01-SO-4.5-5.5-20190403 Lab ID: 40185325019 Collected: 04/03/19 14:55 Received: 04/05/19 08:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	13.5	mg/kg	2.4	0.73	1	04/09/19 07:11	04/10/19 17:34	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.9	ug/kg	16.4	4.9	1	04/10/19 08:28	04/10/19 17:48	83-32-9	
Acenaphthylene	<4.2	ug/kg	14.0	4.2	1	04/10/19 08:28	04/10/19 17:48	208-96-8	
Anthracene	<7.3	ug/kg	24.2	7.3	1	04/10/19 08:28	04/10/19 17:48	120-12-7	
Benzo(a)anthracene	<4.0	ug/kg	13.5	4.0	1	04/10/19 08:28	04/10/19 17:48	56-55-3	
Benzo(a)pyrene	<3.2	ug/kg	10.7	3.2	1	04/10/19 08:28	04/10/19 17:48	50-32-8	
Benzo(b)fluoranthene	<3.6	ug/kg	12.0	3.6	1	04/10/19 08:28	04/10/19 17:48	205-99-2	
Benzo(g,h,i)perylene	<2.6	ug/kg	8.6	2.6	1	04/10/19 08:28	04/10/19 17:48	191-24-2	
Benzo(k)fluoranthene	<3.2	ug/kg	10.7	3.2	1	04/10/19 08:28	04/10/19 17:48	207-08-9	
Chrysene	<4.3	ug/kg	14.3	4.3	1	04/10/19 08:28	04/10/19 17:48	218-01-9	
Dibenz(a,h)anthracene	<2.8	ug/kg	9.5	2.8	1	04/10/19 08:28	04/10/19 17:48	53-70-3	
Fluoranthene	<6.6	ug/kg	22.2	6.6	1	04/10/19 08:28	04/10/19 17:48	206-44-0	
Fluorene	<5.3	ug/kg	17.6	5.3	1	04/10/19 08:28	04/10/19 17:48	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.8	ug/kg	9.3	2.8	1	04/10/19 08:28	04/10/19 17:48	193-39-5	
1-Methylnaphthalene	<5.1	ug/kg	17.1	5.1	1	04/10/19 08:28	04/10/19 17:48	90-12-0	
2-Methylnaphthalene	<6.4	ug/kg	21.3	6.4	1	04/10/19 08:28	04/10/19 17:48	91-57-6	
Naphthalene	<10.7	ug/kg	35.8	10.7	1	04/10/19 08:28	04/10/19 17:48	91-20-3	
Phenanthrene	<14.8	ug/kg	49.4	14.8	1	04/10/19 08:28	04/10/19 17:48	85-01-8	
Pyrene	<5.7	ug/kg	19.1	5.7	1	04/10/19 08:28	04/10/19 17:48	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	54	%	28-99		1	04/10/19 08:28	04/10/19 17:48	321-60-8	
Terphenyl-d14 (S)	55	%	10-107		1	04/10/19 08:28	04/10/19 17:48	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/09/19 10:50	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/09/19 10:50	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/09/19 10:50	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/09/19 10:50	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	124-48-1	W

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-01-SO-4.5-5.5-20190403** Lab ID: **40185325019** Collected: 04/03/19 14:55 Received: 04/05/19 08:25 Matrix: Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/09/19 10:50	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/09/19 10:50	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/09/19 10:50	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/09/19 10:50	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	103	%	57-148		1	04/08/19 08:45	04/09/19 10:50	1868-53-7	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

**Sample: FS-MW-01-SO-4.5-5.5-20190403**      **Lab ID: 40185325019**      Collected: 04/03/19 14:55      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	97	%	58-142		1	04/08/19 08:45	04/09/19 10:50	2037-26-5	
4-Bromofluorobenzene (S)	80	%	48-130		1	04/08/19 08:45	04/09/19 10:50	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>21.4</b>	%	0.10	0.10	1		04/17/19 10:36		

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: **FS-MW-07-SO-4.5-5.5-20190404** Lab ID: **40185325020** Collected: 04/04/19 10:30 Received: 04/05/19 08:25 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	11.0	mg/kg	2.2	0.66	1	04/09/19 07:11	04/10/19 17:37	7439-92-1	
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	9.8J	ug/kg	14.4	4.3	1	04/11/19 09:39	04/12/19 17:43	83-32-9	
Acenaphthylene	5.8J	ug/kg	12.3	3.7	1	04/11/19 09:39	04/12/19 17:43	208-96-8	
Anthracene	40.5	ug/kg	21.3	6.4	1	04/11/19 09:39	04/12/19 17:43	120-12-7	
Benzo(a)anthracene	66.9	ug/kg	11.9	3.5	1	04/11/19 09:39	04/12/19 17:43	56-55-3	
Benzo(a)pyrene	73.4	ug/kg	9.4	2.8	1	04/11/19 09:39	04/12/19 17:43	50-32-8	
Benzo(b)fluoranthene	86.5	ug/kg	10.5	3.2	1	04/11/19 09:39	04/12/19 17:43	205-99-2	
Benzo(g,h,i)perylene	46.5	ug/kg	7.6	2.3	1	04/11/19 09:39	04/12/19 17:43	191-24-2	
Benzo(k)fluoranthene	33.5	ug/kg	9.4	2.8	1	04/11/19 09:39	04/12/19 17:43	207-08-9	
Chrysene	73.8	ug/kg	12.5	3.8	1	04/11/19 09:39	04/12/19 17:43	218-01-9	
Dibenz(a,h)anthracene	13.3	ug/kg	8.3	2.5	1	04/11/19 09:39	04/12/19 17:43	53-70-3	
Fluoranthene	180	ug/kg	19.5	5.8	1	04/11/19 09:39	04/12/19 17:43	206-44-0	
Fluorene	16.6	ug/kg	15.4	4.6	1	04/11/19 09:39	04/12/19 17:43	86-73-7	
Indeno(1,2,3-cd)pyrene	34.3	ug/kg	8.2	2.5	1	04/11/19 09:39	04/12/19 17:43	193-39-5	
1-Methylnaphthalene	18.1	ug/kg	15.0	4.5	1	04/11/19 09:39	04/12/19 17:43	90-12-0	
2-Methylnaphthalene	15.5J	ug/kg	18.7	5.6	1	04/11/19 09:39	04/12/19 17:43	91-57-6	
Naphthalene	<9.4	ug/kg	31.4	9.4	1	04/11/19 09:39	04/12/19 17:43	91-20-3	
Phenanthrene	135	ug/kg	43.4	13.0	1	04/11/19 09:39	04/12/19 17:43	85-01-8	
Pyrene	134	ug/kg	16.8	5.0	1	04/11/19 09:39	04/12/19 17:43	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	68	%	28-99		1	04/11/19 09:39	04/12/19 17:43	321-60-8	
Terphenyl-d14 (S)	68	%	10-107		1	04/11/19 09:39	04/12/19 17:43	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/08/19 08:45	04/08/19 13:56	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/08/19 08:45	04/08/19 13:56	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/08/19 08:45	04/08/19 13:56	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/08/19 08:45	04/08/19 13:56	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	124-48-1	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Sample: FS-MW-07-SO-4.5-5.5-20190404 Lab ID: 40185325020 Collected: 04/04/19 10:30 Received: 04/05/19 08:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/08/19 08:45	04/08/19 13:56	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/08/19 08:45	04/08/19 13:56	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/08/19 08:45	04/08/19 13:56	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/08/19 08:45	04/08/19 13:56	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	96	%	57-148		1	04/08/19 08:45	04/08/19 13:56	1868-53-7	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

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**Sample:** FS-MW-07-SO-4.5-5.5-20190404      **Lab ID:** 40185325020      Collected: 04/04/19 10:30      Received: 04/05/19 08:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
<b>Surrogates</b>									
Toluene-d8 (S)	97	%	58-142		1	04/08/19 08:45	04/08/19 13:56	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-130		1	04/08/19 08:45	04/08/19 13:56	460-00-4	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	<b>10.7</b>	%	0.10	0.10	1		04/17/19 10:37		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

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QC Batch: 317620 Analysis Method: EPA 6010  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 40185325001, 40185325002, 40185325003, 40185325004, 40185325005, 40185325006, 40185325007, 40185325008, 40185325009, 40185325010, 40185325011, 40185325012, 40185325013, 40185325014, 40185325015, 40185325016, 40185325017, 40185325018, 40185325019, 40185325020

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METHOD BLANK: 1846962 Matrix: Solid  
Associated Lab Samples: 40185325001, 40185325002, 40185325003, 40185325004, 40185325005, 40185325006, 40185325007, 40185325008, 40185325009, 40185325010, 40185325011, 40185325012, 40185325013, 40185325014, 40185325015, 40185325016, 40185325017, 40185325018, 40185325019, 40185325020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.60	2.0	04/10/19 16:32	

LABORATORY CONTROL SAMPLE: 1846963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	47.4	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1846964 1846965

Parameter	Units	40185325001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	1.7J	54.7	54.5	50.9	51.0	90	91	75-125	0	20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

QC Batch: 317653 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Associated Lab Samples: 40185325001, 40185325002, 40185325003, 40185325004, 40185325005, 40185325006, 40185325007, 40185325008, 40185325009, 40185325010, 40185325011, 40185325012, 40185325013, 40185325014, 40185325015, 40185325016, 40185325017, 40185325018, 40185325019, 40185325020

METHOD BLANK: 1847063 Matrix: Solid  
Associated Lab Samples: 40185325001, 40185325002, 40185325003, 40185325004, 40185325005, 40185325006, 40185325007, 40185325008, 40185325009, 40185325010, 40185325011, 40185325012, 40185325013, 40185325014, 40185325015, 40185325016, 40185325017, 40185325018, 40185325019, 40185325020

Parameter	Units	Blank Reporting		Analyzed	Qualifiers
		Result	Limit		
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/08/19 09:17	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/08/19 09:17	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/08/19 09:17	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/08/19 09:17	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/08/19 09:17	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/08/19 09:17	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/08/19 09:17	
1,2,3-Trichlorobenzene	ug/kg	24.7J	50.0	04/08/19 09:17	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/08/19 09:17	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/08/19 09:17	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/08/19 09:17	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/08/19 09:17	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/08/19 09:17	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/08/19 09:17	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/08/19 09:17	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/08/19 09:17	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/08/19 09:17	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/08/19 09:17	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/08/19 09:17	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/08/19 09:17	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/08/19 09:17	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/08/19 09:17	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/08/19 09:17	
Benzene	ug/kg	<9.2	20.0	04/08/19 09:17	
Bromobenzene	ug/kg	<20.6	50.0	04/08/19 09:17	
Bromochloromethane	ug/kg	<21.4	50.0	04/08/19 09:17	
Bromodichloromethane	ug/kg	<9.8	50.0	04/08/19 09:17	
Bromoform	ug/kg	<19.8	50.0	04/08/19 09:17	
Bromomethane	ug/kg	<69.9	250	04/08/19 09:17	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/08/19 09:17	
Chlorobenzene	ug/kg	<14.8	50.0	04/08/19 09:17	
Chloroethane	ug/kg	<67.0	250	04/08/19 09:17	
Chloroform	ug/kg	<46.4	250	04/08/19 09:17	
Chloromethane	ug/kg	<20.4	50.0	04/08/19 09:17	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/08/19 09:17	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/08/19 09:17	
Dibromochloromethane	ug/kg	<17.9	50.0	04/08/19 09:17	
Dibromomethane	ug/kg	<19.3	50.0	04/08/19 09:17	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

METHOD BLANK: 1847063

Matrix: Solid

Associated Lab Samples: 40185325001, 40185325002, 40185325003, 40185325004, 40185325005, 40185325006, 40185325007, 40185325008, 40185325009, 40185325010, 40185325011, 40185325012, 40185325013, 40185325014, 40185325015, 40185325016, 40185325017, 40185325018, 40185325019, 40185325020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/08/19 09:17	
Diisopropyl ether	ug/kg	<17.7	50.0	04/08/19 09:17	
Ethylbenzene	ug/kg	<12.4	50.0	04/08/19 09:17	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	04/08/19 09:17	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/08/19 09:17	
m&p-Xylene	ug/kg	<34.4	100	04/08/19 09:17	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/08/19 09:17	
Methylene Chloride	ug/kg	<16.2	50.0	04/08/19 09:17	
n-Butylbenzene	ug/kg	11.3J	50.0	04/08/19 09:17	
n-Propylbenzene	ug/kg	<11.6	50.0	04/08/19 09:17	
Naphthalene	ug/kg	<40.0	250	04/08/19 09:17	
o-Xylene	ug/kg	<14.0	50.0	04/08/19 09:17	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/08/19 09:17	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/08/19 09:17	
Styrene	ug/kg	<9.0	50.0	04/08/19 09:17	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/08/19 09:17	
Tetrachloroethene	ug/kg	<12.9	50.0	04/08/19 09:17	
Toluene	ug/kg	<11.2	50.0	04/08/19 09:17	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/08/19 09:17	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/08/19 09:17	
Trichloroethene	ug/kg	<23.6	50.0	04/08/19 09:17	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/08/19 09:17	
Vinyl chloride	ug/kg	<21.1	50.0	04/08/19 09:17	
4-Bromofluorobenzene (S)	%	75	48-130	04/08/19 09:17	
Dibromofluoromethane (S)	%	98	57-148	04/08/19 09:17	
Toluene-d8 (S)	%	93	58-142	04/08/19 09:17	

LABORATORY CONTROL SAMPLE: 1847064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2580	103	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2400	96	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2590	103	70-130	
1,1-Dichloroethane	ug/kg	2500	2640	106	67-132	
1,1-Dichloroethene	ug/kg	2500	2490	99	67-128	
1,2,4-Trichlorobenzene	ug/kg	2500	2510	100	51-131	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2330	93	49-117	
1,2-Dibromoethane (EDB)	ug/kg	2500	2620	105	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
1,2-Dichloroethane	ug/kg	2500	2780	111	65-137	
1,2-Dichloropropane	ug/kg	2500	2690	108	75-126	
1,3-Dichlorobenzene	ug/kg	2500	2400	96	70-130	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

LABORATORY CONTROL SAMPLE: 1847064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/kg	2500	2440	98	70-130	
Benzene	ug/kg	2500	2650	106	70-130	
Bromodichloromethane	ug/kg	2500	2740	110	70-130	
Bromoform	ug/kg	2500	2740	109	57-117	
Bromomethane	ug/kg	2500	3120	125	48-135	
Carbon tetrachloride	ug/kg	2500	2520	101	65-133	
Chlorobenzene	ug/kg	2500	2430	97	70-130	
Chloroethane	ug/kg	2500	2900	116	37-165	
Chloroform	ug/kg	2500	2580	103	72-126	
Chloromethane	ug/kg	2500	1970	79	34-120	
cis-1,2-Dichloroethene	ug/kg	2500	2460	98	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2630	105	69-130	
Dibromochloromethane	ug/kg	2500	2650	106	68-130	
Dichlorodifluoromethane	ug/kg	2500	1550	62	22-100	
Ethylbenzene	ug/kg	2500	2530	101	79-121	
Isopropylbenzene (Cumene)	ug/kg	2500	2520	101	70-130	
m&p-Xylene	ug/kg	5000	5240	105	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2420	97	66-129	
Methylene Chloride	ug/kg	2500	2610	105	68-129	
o-Xylene	ug/kg	2500	2510	100	70-130	
Styrene	ug/kg	2500	2700	108	70-130	
Tetrachloroethene	ug/kg	2500	2460	98	70-130	
Toluene	ug/kg	2500	2600	104	80-123	
trans-1,2-Dichloroethene	ug/kg	2500	2560	102	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2590	104	67-130	
Trichloroethene	ug/kg	2500	2510	100	70-130	
Trichlorofluoromethane	ug/kg	2500	2340	93	64-134	
Vinyl chloride	ug/kg	2500	2070	83	52-122	
4-Bromofluorobenzene (S)	%			88	48-130	
Dibromofluoromethane (S)	%			100	57-148	
Toluene-d8 (S)	%			95	58-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1847065 1847066

Parameter	Units	40185325020 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/kg	<25.0	1400	1400	1320	1320	94	94	62-130	0	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1400	1400	1320	1360	94	97	64-137	3	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1400	1400	1430	1430	102	102	70-130	0	20	
1,1-Dichloroethane	ug/kg	<25.0	1400	1400	1420	1380	102	99	65-132	3	20	
1,1-Dichloroethene	ug/kg	<25.0	1400	1400	1130	1140	81	81	50-128	0	21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1400	1400	1630	1640	117	117	51-148	0	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1400	1400	1450	1460	104	104	43-134	0	23	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1400	1400	1310	1330	93	95	70-130	2	20	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1847065 1847066												
Parameter	Units	MS		MSD		MS	MSD	MS	MSD	% Rec	Max	Qual
		40185325020	Spike	Spike	MS							
		Result	Conc.	Conc.	Result	Result	Result	Result	Result	Result	RPD	RPD
1,2-Dichlorobenzene	ug/kg	<25.0	1400	1400	1350	1440	97	103	70-130	6	20	
1,2-Dichloroethane	ug/kg	<25.0	1400	1400	1500	1400	107	100	65-139	7	20	
1,2-Dichloropropane	ug/kg	<25.0	1400	1400	1450	1440	104	103	74-128	1	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1400	1400	1390	1400	100	100	70-130	1	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1400	1400	1420	1330	102	95	70-130	7	20	
Benzene	ug/kg	<25.0	1400	1400	1410	1370	101	98	66-132	3	20	
Bromodichloromethane	ug/kg	<25.0	1400	1400	1480	1480	106	105	69-130	0	20	
Bromoform	ug/kg	<25.0	1400	1400	1280	1400	92	100	57-130	9	20	
Bromomethane	ug/kg	<69.9	1400	1400	1450	1380	104	98	34-145	5	20	
Carbon tetrachloride	ug/kg	<25.0	1400	1400	1280	1270	91	91	54-133	1	20	
Chlorobenzene	ug/kg	<25.0	1400	1400	1330	1330	95	95	70-130	0	20	
Chloroethane	ug/kg	<67.0	1400	1400	1370	1310	98	93	33-165	4	20	
Chloroform	ug/kg	<46.4	1400	1400	1380	1360	99	97	72-128	2	20	
Chloromethane	ug/kg	<25.0	1400	1400	859	869	61	62	20-120	1	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1400	1400	1370	1290	98	92	69-130	6	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1400	1400	1350	1350	97	96	65-130	0	20	
Dibromochloromethane	ug/kg	<25.0	1400	1400	1410	1480	101	105	65-130	4	20	
Dichlorodifluoromethane	ug/kg	<25.0	1400	1400	703	724	50	52	10-109	3	29	
Ethylbenzene	ug/kg	<25.0	1400	1400	1340	1350	96	96	63-127	0	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1400	1400	1320	1340	95	96	66-130	1	20	
m&p-Xylene	ug/kg	<50.0	2800	2800	2890	2800	103	100	70-130	3	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1400	1400	1320	1280	94	92	62-135	3	20	
Methylene Chloride	ug/kg	<25.0	1400	1400	1360	1370	97	98	68-129	1	20	
o-Xylene	ug/kg	<25.0	1400	1400	1340	1360	96	97	69-130	1	20	
Styrene	ug/kg	<25.0	1400	1400	1450	1450	104	104	70-130	0	20	
Tetrachloroethene	ug/kg	<25.0	1400	1400	1270	1330	91	95	70-130	5	20	
Toluene	ug/kg	<25.0	1400	1400	1380	1410	99	101	80-123	2	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1400	1400	1290	1270	92	91	70-130	2	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1400	1400	1280	1330	91	95	67-130	5	20	
Trichloroethene	ug/kg	<25.0	1400	1400	1280	1380	91	98	70-130	7	20	
Trichlorofluoromethane	ug/kg	<25.0	1400	1400	1040	1060	75	76	41-134	2	26	
Vinyl chloride	ug/kg	<25.0	1400	1400	982	1000	70	72	39-122	2	20	
4-Bromofluorobenzene (S)	%						87	93	48-130			
Dibromofluoromethane (S)	%						101	101	57-148			
Toluene-d8 (S)	%						98	102	58-142			

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

QC Batch: 317613 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
Associated Lab Samples: 40185325001, 40185325002, 40185325003

METHOD BLANK: 1846933 Matrix: Solid  
Associated Lab Samples: 40185325001, 40185325002, 40185325003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	04/08/19 11:42	
2-Methylnaphthalene	ug/kg	<5.0	16.7	04/08/19 11:42	
Acenaphthene	ug/kg	<3.9	12.9	04/08/19 11:42	
Acenaphthylene	ug/kg	<3.3	11.0	04/08/19 11:42	
Anthracene	ug/kg	<5.7	19.0	04/08/19 11:42	
Benzo(a)anthracene	ug/kg	<3.2	10.6	04/08/19 11:42	
Benzo(a)pyrene	ug/kg	<2.5	8.4	04/08/19 11:42	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	04/08/19 11:42	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	04/08/19 11:42	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	04/08/19 11:42	
Chrysene	ug/kg	<3.4	11.2	04/08/19 11:42	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	04/08/19 11:42	
Fluoranthene	ug/kg	<5.2	17.4	04/08/19 11:42	
Fluorene	ug/kg	<4.1	13.8	04/08/19 11:42	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	04/08/19 11:42	
Naphthalene	ug/kg	<8.4	28.1	04/08/19 11:42	
Phenanthrene	ug/kg	<11.6	38.8	04/08/19 11:42	
Pyrene	ug/kg	<4.5	15.0	04/08/19 11:42	
2-Fluorobiphenyl (S)	%	75	28-99	04/08/19 11:42	
Terphenyl-d14 (S)	%	76	10-107	04/08/19 11:42	

LABORATORY CONTROL SAMPLE: 1846934

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	236	71	47-104	
2-Methylnaphthalene	ug/kg	333	241	72	50-100	
Acenaphthene	ug/kg	333	261	78	56-113	
Acenaphthylene	ug/kg	333	253	76	55-113	
Anthracene	ug/kg	333	275	82	59-103	
Benzo(a)anthracene	ug/kg	333	267	80	55-102	
Benzo(a)pyrene	ug/kg	333	296	89	59-114	
Benzo(b)fluoranthene	ug/kg	333	285	86	53-124	
Benzo(g,h,i)perylene	ug/kg	333	261	78	48-114	
Benzo(k)fluoranthene	ug/kg	333	295	88	61-118	
Chrysene	ug/kg	333	271	81	62-108	
Dibenz(a,h)anthracene	ug/kg	333	275	83	51-114	
Fluoranthene	ug/kg	333	287	86	59-113	
Fluorene	ug/kg	333	266	80	56-117	
Indeno(1,2,3-cd)pyrene	ug/kg	333	264	79	52-115	
Naphthalene	ug/kg	333	233	70	54-95	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

LABORATORY CONTROL SAMPLE: 1846934

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	265	79	58-101	
Pyrene	ug/kg	333	264	79	56-105	
2-Fluorobiphenyl (S)	%			70	28-99	
Terphenyl-d14 (S)	%			73	10-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1846935 1846936

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40185370001 Result	Spike Conc.	Spike Conc.	Conc.								
1-Methylnaphthalene	ug/kg	<4.8	402	402	402	284	290	71	72	39-104	2	29	
2-Methylnaphthalene	ug/kg	<6.0	402	402	402	284	286	71	71	40-100	1	32	
Acenaphthene	ug/kg	<4.7	402	402	402	298	294	74	73	50-113	1	21	
Acenaphthylene	ug/kg	<4.0	402	402	402	285	292	71	73	42-114	2	27	
Anthracene	ug/kg	<6.9	402	402	402	310	310	77	77	33-105	0	21	
Benzo(a)anthracene	ug/kg	<3.8	402	402	402	285	286	70	70	43-102	0	21	
Benzo(a)pyrene	ug/kg	<3.0	402	402	402	299	289	74	72	34-117	4	22	
Benzo(b)fluoranthene	ug/kg	<3.4	402	402	402	305	304	75	75	35-124	0	35	
Benzo(g,h,i)perylene	ug/kg	<2.4	402	402	402	259	261	64	65	10-120	1	30	
Benzo(k)fluoranthene	ug/kg	<3.0	402	402	402	350	336	87	84	31-128	4	27	
Chrysene	ug/kg	<4.1	402	402	402	315	310	78	76	39-108	2	20	
Dibenz(a,h)anthracene	ug/kg	<2.7	402	402	402	212	211	53	53	19-114	1	28	
Fluoranthene	ug/kg	<6.3	402	402	402	320	330	79	81	45-113	3	22	
Fluorene	ug/kg	<5.0	402	402	402	293	305	73	76	48-117	4	21	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.7	402	402	402	231	228	58	57	10-123	2	28	
Naphthalene	ug/kg	<10.2	402	402	402	275	280	68	70	32-101	2	27	
Phenanthrene	ug/kg	<14.0	402	402	402	297	306	73	75	40-101	3	20	
Pyrene	ug/kg	<5.4	402	402	402	316	296	78	73	35-105	7	26	
2-Fluorobiphenyl (S)	%							63	64	28-99			
Terphenyl-d14 (S)	%							65	63	10-107			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

QC Batch: 317743 Analysis Method: EPA 8270 by SIM  
 QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
 Associated Lab Samples: 40185325004, 40185325005, 40185325006, 40185325007

METHOD BLANK: 1847372 Matrix: Solid  
 Associated Lab Samples: 40185325004, 40185325005, 40185325006, 40185325007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	04/09/19 11:18	
2-Methylnaphthalene	ug/kg	<5.0	16.7	04/09/19 11:18	
Acenaphthene	ug/kg	<3.9	12.9	04/09/19 11:18	
Acenaphthylene	ug/kg	<3.3	11.0	04/09/19 11:18	
Anthracene	ug/kg	<5.7	19.0	04/09/19 11:18	
Benzo(a)anthracene	ug/kg	<3.2	10.6	04/09/19 11:18	
Benzo(a)pyrene	ug/kg	<2.5	8.4	04/09/19 11:18	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	04/09/19 11:18	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	04/09/19 11:18	
Benzo(k)fluoranthene	ug/kg	<2.5	8.3	04/09/19 11:18	
Chrysene	ug/kg	<3.4	11.2	04/09/19 11:18	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	04/09/19 11:18	
Fluoranthene	ug/kg	<5.2	17.4	04/09/19 11:18	
Fluorene	ug/kg	<4.1	13.8	04/09/19 11:18	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	04/09/19 11:18	
Naphthalene	ug/kg	<8.4	28.1	04/09/19 11:18	
Phenanthrene	ug/kg	<11.6	38.7	04/09/19 11:18	
Pyrene	ug/kg	<4.5	15.0	04/09/19 11:18	
2-Fluorobiphenyl (S)	%	68	28-99	04/09/19 11:18	
Terphenyl-d14 (S)	%	66	10-107	04/09/19 11:18	

LABORATORY CONTROL SAMPLE: 1847373

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	260	78	47-104	
2-Methylnaphthalene	ug/kg	333	263	79	50-100	
Acenaphthene	ug/kg	333	255	76	56-113	
Acenaphthylene	ug/kg	333	252	76	55-113	
Anthracene	ug/kg	333	275	83	59-103	
Benzo(a)anthracene	ug/kg	333	255	77	55-102	
Benzo(a)pyrene	ug/kg	333	288	86	59-114	
Benzo(b)fluoranthene	ug/kg	333	278	84	53-124	
Benzo(g,h,i)perylene	ug/kg	333	201	60	48-114	
Benzo(k)fluoranthene	ug/kg	333	299	90	61-118	
Chrysene	ug/kg	333	267	80	62-108	
Dibenz(a,h)anthracene	ug/kg	333	202	61	51-114	
Fluoranthene	ug/kg	333	280	84	59-113	
Fluorene	ug/kg	333	256	77	56-117	
Indeno(1,2,3-cd)pyrene	ug/kg	333	206	62	52-115	
Naphthalene	ug/kg	333	264	79	54-95	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

LABORATORY CONTROL SAMPLE: 1847373

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	254	76	58-101	
Pyrene	ug/kg	333	274	82	56-105	
2-Fluorobiphenyl (S)	%			71	28-99	
Terphenyl-d14 (S)	%			65	10-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1847374 1847375

Parameter	Units	40185339001		MSD		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
1-Methylnaphthalene	ug/kg	0.11 mg/kg	425	425	409	441	71	79	39-104	7	29			
2-Methylnaphthalene	ug/kg	0.16 mg/kg	425	425	467	494	72	78	40-100	6	32			
Acenaphthene	ug/kg	0.022 mg/kg	425	425	327	354	72	78	50-113	8	21			
Acenaphthylene	ug/kg	0.0045J mg/kg	425	425	300	321	70	75	42-114	7	27			
Anthracene	ug/kg	<0.0073 mg/kg	425	425	299	341	69	79	33-105	13	21			
Benzo(a)anthracene	ug/kg	<0.0040 mg/kg	425	425	280	318	66	75	43-102	13	21			
Benzo(a)pyrene	ug/kg	<0.0032 mg/kg	425	425	301	345	71	81	34-117	14	22			
Benzo(b)fluoranthene	ug/kg	<0.0036 mg/kg	425	425	290	336	68	79	35-124	15	35			
Benzo(g,h,i)perylene	ug/kg	<0.0026 mg/kg	425	425	260	298	61	70	10-120	14	30			
Benzo(k)fluoranthene	ug/kg	<0.0032 mg/kg	425	425	332	378	78	89	31-128	13	27			
Chrysene	ug/kg	<0.0043 mg/kg	425	425	304	337	72	79	39-108	10	20			
Dibenz(a,h)anthracene	ug/kg	<0.0029 mg/kg	425	425	195	225	46	53	19-114	14	28			
Fluoranthene	ug/kg	<0.0066 mg/kg	425	425	317	358	75	84	45-113	12	22			
Fluorene	ug/kg	0.022 mg/kg	425	425	316	346	69	76	48-117	9	21			
Indeno(1,2,3-cd)pyrene	ug/kg	<0.0028 mg/kg	425	425	226	259	53	61	10-123	14	28			
Naphthalene	ug/kg	0.052 mg/kg	425	425	364	362	74	73	32-101	0	27			
Phenanthrene	ug/kg	0.071 mg/kg	425	425	383	421	74	83	40-101	10	20			
Pyrene	ug/kg	0.0074J mg/kg	425	425	303	335	70	77	35-105	10	26			
2-Fluorobiphenyl (S)	%						59	62	28-99					
Terphenyl-d14 (S)	%						59	64	10-107					

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

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QC Batch: 317873 Analysis Method: EPA 8270 by SIM  
 QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
 Associated Lab Samples: 40185325008, 40185325009, 40185325010, 40185325011, 40185325012, 40185325013, 40185325014, 40185325015, 40185325016, 40185325017, 40185325018, 40185325019

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METHOD BLANK: 1847903 Matrix: Solid  
 Associated Lab Samples: 40185325008, 40185325009, 40185325010, 40185325011, 40185325012, 40185325013, 40185325014, 40185325015, 40185325016, 40185325017, 40185325018, 40185325019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	04/10/19 11:09	
2-Methylnaphthalene	ug/kg	<5.0	16.7	04/10/19 11:09	
Acenaphthene	ug/kg	<3.9	12.9	04/10/19 11:09	
Acenaphthylene	ug/kg	<3.3	11.0	04/10/19 11:09	
Anthracene	ug/kg	<5.7	19.0	04/10/19 11:09	
Benzo(a)anthracene	ug/kg	<3.2	10.6	04/10/19 11:09	
Benzo(a)pyrene	ug/kg	<2.5	8.4	04/10/19 11:09	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	04/10/19 11:09	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	04/10/19 11:09	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	04/10/19 11:09	
Chrysene	ug/kg	<3.4	11.2	04/10/19 11:09	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	04/10/19 11:09	
Fluoranthene	ug/kg	<5.2	17.4	04/10/19 11:09	
Fluorene	ug/kg	<4.1	13.8	04/10/19 11:09	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	04/10/19 11:09	
Naphthalene	ug/kg	<8.4	28.1	04/10/19 11:09	
Phenanthrene	ug/kg	<11.6	38.8	04/10/19 11:09	
Pyrene	ug/kg	<4.5	15.0	04/10/19 11:09	
2-Fluorobiphenyl (S)	%	62	28-99	04/10/19 11:09	
Terphenyl-d14 (S)	%	68	10-107	04/10/19 11:09	

LABORATORY CONTROL SAMPLE: 1847904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	196	59	47-104	
2-Methylnaphthalene	ug/kg	333	190	57	50-100	
Acenaphthene	ug/kg	333	220	66	56-113	
Acenaphthylene	ug/kg	333	205	62	55-113	
Anthracene	ug/kg	333	248	74	59-103	
Benzo(a)anthracene	ug/kg	333	229	69	55-102	
Benzo(a)pyrene	ug/kg	333	261	78	59-114	
Benzo(b)fluoranthene	ug/kg	333	247	74	53-124	
Benzo(g,h,i)perylene	ug/kg	333	215	65	48-114	
Benzo(k)fluoranthene	ug/kg	333	279	84	61-118	
Chrysene	ug/kg	333	248	75	62-108	
Dibenz(a,h)anthracene	ug/kg	333	222	67	51-114	
Fluoranthene	ug/kg	333	259	78	59-113	
Fluorene	ug/kg	333	221	66	56-117	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

LABORATORY CONTROL SAMPLE: 1847904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	333	218	66	52-115	
Naphthalene	ug/kg	333	193	58	54-95	
Phenanthrene	ug/kg	333	228	68	58-101	
Pyrene	ug/kg	333	230	69	56-105	
2-Fluorobiphenyl (S)	%			57	28-99	
Terphenyl-d14 (S)	%			60	10-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1847905 1847906

Parameter	Units	40185339009 Result	MS Spike Conc.	MSD Spike Conc.	1847905		1847906		% Rec Limits	RPD	Max RPD	Qual
					MS Result	MSD Result	MS % Rec	MSD % Rec				
1-Methylnaphthalene	ug/kg	<0.0052 mg/kg	429	430	296	310	69	72	39-104	5	29	
2-Methylnaphthalene	ug/kg	<0.0064 mg/kg	429	430	287	309	67	72	40-100	7	32	
Acenaphthene	ug/kg	<0.0050 mg/kg	429	430	315	313	74	73	50-113	1	21	
Acenaphthylene	ug/kg	<0.0042 mg/kg	429	430	301	308	70	72	42-114	2	27	
Anthracene	ug/kg	<0.0073 mg/kg	429	430	301	309	70	72	33-105	2	21	
Benzo(a)anthracene	ug/kg	<0.0041 mg/kg	429	430	284	291	66	67	43-102	2	21	
Benzo(a)pyrene	ug/kg	<0.0032 mg/kg	429	430	338	336	79	78	34-117	0	22	
Benzo(b)fluoranthene	ug/kg	<0.0036 mg/kg	429	430	301	297	70	69	35-124	1	35	
Benzo(g,h,i)perylene	ug/kg	<0.0026 mg/kg	429	430	304	306	71	71	10-120	1	30	
Benzo(k)fluoranthene	ug/kg	<0.0032 mg/kg	429	430	322	321	75	75	31-128	0	27	
Chrysene	ug/kg	<0.0043 mg/kg	429	430	304	311	71	72	39-108	2	20	
Dibenz(a,h)anthracene	ug/kg	<0.0029 mg/kg	429	430	280	288	65	67	19-114	3	28	
Fluoranthene	ug/kg	<0.0067 mg/kg	429	430	324	330	76	77	45-113	2	22	
Fluorene	ug/kg	<0.0053 mg/kg	429	430	307	314	72	73	48-117	2	21	
Indeno(1,2,3-cd)pyrene	ug/kg	<0.0028 mg/kg	429	430	288	288	67	67	10-123	0	28	
Naphthalene	ug/kg	<0.011 mg/kg	429	430	280	313	65	73	32-101	11	27	
Phenanthrene	ug/kg	<0.015 mg/kg	429	430	294	309	69	72	40-101	5	20	
Pyrene	ug/kg	<0.0058 mg/kg	429	430	286	297	67	69	35-105	4	26	
2-Fluorobiphenyl (S)	%						63	60	28-99			
Terphenyl-d14 (S)	%						60	60	10-107			

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

QC Batch: 318015 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
Associated Lab Samples: 40185325020

METHOD BLANK: 1848887 Matrix: Solid  
Associated Lab Samples: 40185325020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	04/11/19 14:50	
2-Methylnaphthalene	ug/kg	<5.0	16.7	04/11/19 14:50	
Acenaphthene	ug/kg	<3.9	12.9	04/11/19 14:50	
Acenaphthylene	ug/kg	<3.3	11.0	04/11/19 14:50	
Anthracene	ug/kg	<5.7	19.0	04/11/19 14:50	
Benzo(a)anthracene	ug/kg	<3.2	10.6	04/11/19 14:50	
Benzo(a)pyrene	ug/kg	<2.5	8.4	04/11/19 14:50	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	04/11/19 14:50	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	04/11/19 14:50	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	04/11/19 14:50	
Chrysene	ug/kg	<3.4	11.2	04/11/19 14:50	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	04/11/19 14:50	
Fluoranthene	ug/kg	<5.2	17.4	04/11/19 14:50	
Fluorene	ug/kg	<4.1	13.8	04/11/19 14:50	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	04/11/19 14:50	
Naphthalene	ug/kg	<8.4	28.1	04/11/19 14:50	
Phenanthrene	ug/kg	<11.6	38.8	04/11/19 14:50	
Pyrene	ug/kg	<4.5	15.0	04/11/19 14:50	
2-Fluorobiphenyl (S)	%	62	28-99	04/11/19 14:50	
Terphenyl-d14 (S)	%	68	10-107	04/11/19 14:50	

LABORATORY CONTROL SAMPLE: 1848888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	271	81	47-104	
2-Methylnaphthalene	ug/kg	334	270	81	50-100	
Acenaphthene	ug/kg	334	291	87	56-113	
Acenaphthylene	ug/kg	334	290	87	55-113	
Anthracene	ug/kg	334	316	95	59-103	
Benzo(a)anthracene	ug/kg	334	280	84	55-102	
Benzo(a)pyrene	ug/kg	334	318	95	59-114	
Benzo(b)fluoranthene	ug/kg	334	321	96	53-124	
Benzo(g,h,i)perylene	ug/kg	334	294	88	48-114	
Benzo(k)fluoranthene	ug/kg	334	329	99	61-118	
Chrysene	ug/kg	334	308	92	62-108	
Dibenz(a,h)anthracene	ug/kg	334	268	80	51-114	
Fluoranthene	ug/kg	334	328	98	59-113	
Fluorene	ug/kg	334	299	90	56-117	
Indeno(1,2,3-cd)pyrene	ug/kg	334	282	84	52-115	
Naphthalene	ug/kg	334	272	81	54-95	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

LABORATORY CONTROL SAMPLE: 1848888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	334	288	86	58-101	
Pyrene	ug/kg	334	301	90	56-105	
2-Fluorobiphenyl (S)	%			77	28-99	
Terphenyl-d14 (S)	%			74	10-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1848889 1848890

Parameter	Units	40185419002		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
1-Methylnaphthalene	ug/kg	<5.4	445	445	336	249	75	56	39-104	30	29	R1	
2-Methylnaphthalene	ug/kg	<6.7	445	445	330	254	74	57	40-100	26	32		
Acenaphthene	ug/kg	<5.2	445	445	340	298	76	67	50-113	13	21		
Acenaphthylene	ug/kg	<4.4	445	445	341	286	77	64	42-114	18	27		
Anthracene	ug/kg	<7.6	445	445	356	321	80	72	33-105	10	21		
Benzo(a)anthracene	ug/kg	<4.2	445	445	303	287	68	64	43-102	6	21		
Benzo(a)pyrene	ug/kg	<3.4	445	445	349	319	78	72	34-117	9	22		
Benzo(b)fluoranthene	ug/kg	<3.8	445	445	332	318	75	71	35-124	5	35		
Benzo(g,h,i)perylene	ug/kg	<2.7	445	445	322	290	72	65	10-120	10	30		
Benzo(k)fluoranthene	ug/kg	<3.4	445	445	358	343	80	77	31-128	4	27		
Chrysene	ug/kg	<4.5	445	445	348	328	78	74	39-108	6	20		
Dibenz(a,h)anthracene	ug/kg	<3.0	445	445	298	260	67	58	19-114	14	28		
Fluoranthene	ug/kg	<7.0	445	445	366	340	82	76	45-113	7	22		
Fluorene	ug/kg	<5.5	445	445	340	301	76	67	48-117	12	21		
Indeno(1,2,3-cd)pyrene	ug/kg	<2.9	445	445	300	279	67	63	10-123	7	28		
Naphthalene	ug/kg	<11.3	445	445	340	266	76	60	32-101	24	27		
Phenanthrene	ug/kg	<15.6	445	445	330	301	74	68	40-101	9	20		
Pyrene	ug/kg	<6.0	445	445	354	335	80	75	35-105	6	26		
2-Fluorobiphenyl (S)	%						66	50	28-99				
Terphenyl-d14 (S)	%						60	54	10-107				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

QC Batch: 318526

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40185325001

SAMPLE DUPLICATE: 1851114

Parameter	Units	40185325001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.6	8.1	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

---

QC Batch:	318596	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40185325002, 40185325003, 40185325004, 40185325005, 40185325006, 40185325007, 40185325008, 40185325009, 40185325010, 40185325011, 40185325012, 40185325013, 40185325014, 40185325015, 40185325016		

---

SAMPLE DUPLICATE: 1851595

Parameter	Units	40185845003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.3	8.2	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

QC Batch: 318647 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40185325017, 40185325018, 40185325019, 40185325020

SAMPLE DUPLICATE: 1851790

Parameter	Units	40185325018 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.7	21.7	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

1q	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
2q	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-extraction and re-analysis).
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
W	Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185325

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40185325001	FS-MW-12-SO-4.5-5.5-20190402	EPA 3050	317620	EPA 6010	317961
40185325002	FS-MW-09-SO-5.5-6.5-20190402	EPA 3050	317620	EPA 6010	317961
40185325003	FS-MW-09-SO-6.5-7.5-20190402	EPA 3050	317620	EPA 6010	317961
40185325004	FS-MW-03-SO-0.5-1.5-20190402	EPA 3050	317620	EPA 6010	317961
40185325005	FS-MW-03-SO-1.5-2.5-20190402	EPA 3050	317620	EPA 6010	317961
40185325006	FS-MW-04-SO-2.5-3.5-20190402	EPA 3050	317620	EPA 6010	317961
40185325007	FS-MW-05-SO-2.5-3.5-20190402	EPA 3050	317620	EPA 6010	317961
40185325008	FS-MW-13-SO-4.5-5.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325009	FS-MW-13-SO-5.5-6.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325010	FS-MW-11-SO-4.5-5.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325011	FS-MW-11-SO-6.5-7.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325012	FS-MW-10-SO-3.5-4.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325013	FS-MW-10-SO-4.5-5.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325014	FS-MW-06-SO-3.5-4.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325015	FS-MW-06-SO-4.5-5.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325016	FS-MW-02-SO-3.5-4.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325017	FS-MW-02-SO-4.5-5.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325018	FS-MW-01-SO-3.5-4.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325019	FS-MW-01-SO-4.5-5.5-20190403	EPA 3050	317620	EPA 6010	317961
40185325020	FS-MW-07-SO-4.5-5.5-20190404	EPA 3050	317620	EPA 6010	317961
40185325001	FS-MW-12-SO-4.5-5.5-20190402	EPA 3546	317613	EPA 8270 by SIM	317655
40185325002	FS-MW-09-SO-5.5-6.5-20190402	EPA 3546	317613	EPA 8270 by SIM	317655
40185325003	FS-MW-09-SO-6.5-7.5-20190402	EPA 3546	317613	EPA 8270 by SIM	317655
40185325004	FS-MW-03-SO-0.5-1.5-20190402	EPA 3546	317743	EPA 8270 by SIM	317788
40185325005	FS-MW-03-SO-1.5-2.5-20190402	EPA 3546	317743	EPA 8270 by SIM	317788
40185325006	FS-MW-04-SO-2.5-3.5-20190402	EPA 3546	317743	EPA 8270 by SIM	317788
40185325007	FS-MW-05-SO-2.5-3.5-20190402	EPA 3546	317743	EPA 8270 by SIM	317788
40185325008	FS-MW-13-SO-4.5-5.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325009	FS-MW-13-SO-5.5-6.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325010	FS-MW-11-SO-4.5-5.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325011	FS-MW-11-SO-6.5-7.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325012	FS-MW-10-SO-3.5-4.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325013	FS-MW-10-SO-4.5-5.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325014	FS-MW-06-SO-3.5-4.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325015	FS-MW-06-SO-4.5-5.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325016	FS-MW-02-SO-3.5-4.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325017	FS-MW-02-SO-4.5-5.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325018	FS-MW-01-SO-3.5-4.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325019	FS-MW-01-SO-4.5-5.5-20190403	EPA 3546	317873	EPA 8270 by SIM	317915
40185325020	FS-MW-07-SO-4.5-5.5-20190404	EPA 3546	318015	EPA 8270 by SIM	318087
40185325001	FS-MW-12-SO-4.5-5.5-20190402	EPA 5035/5030B	317653	EPA 8260	317654
40185325002	FS-MW-09-SO-5.5-6.5-20190402	EPA 5035/5030B	317653	EPA 8260	317654
40185325003	FS-MW-09-SO-6.5-7.5-20190402	EPA 5035/5030B	317653	EPA 8260	317654
40185325004	FS-MW-03-SO-0.5-1.5-20190402	EPA 5035/5030B	317653	EPA 8260	317654
40185325005	FS-MW-03-SO-1.5-2.5-20190402	EPA 5035/5030B	317653	EPA 8260	317654
40185325006	FS-MW-04-SO-2.5-3.5-20190402	EPA 5035/5030B	317653	EPA 8260	317654

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185325

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40185325007	FS-MW-05-SO-2.5-3.5-20190402	EPA 5035/5030B	317653	EPA 8260	317654
40185325008	FS-MW-13-SO-4.5-5.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325009	FS-MW-13-SO-5.5-6.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325010	FS-MW-11-SO-4.5-5.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325011	FS-MW-11-SO-6.5-7.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325012	FS-MW-10-SO-3.5-4.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325013	FS-MW-10-SO-4.5-5.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325014	FS-MW-06-SO-3.5-4.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325015	FS-MW-06-SO-4.5-5.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325016	FS-MW-02-SO-3.5-4.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325017	FS-MW-02-SO-4.5-5.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325018	FS-MW-01-SO-3.5-4.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325019	FS-MW-01-SO-4.5-5.5-20190403	EPA 5035/5030B	317653	EPA 8260	317654
40185325020	FS-MW-07-SO-4.5-5.5-20190404	EPA 5035/5030B	317653	EPA 8260	317654
40185325001	FS-MW-12-SO-4.5-5.5-20190402	ASTM D2974-87	318526		
40185325002	FS-MW-09-SO-5.5-6.5-20190402	ASTM D2974-87	318596		
40185325003	FS-MW-09-SO-6.5-7.5-20190402	ASTM D2974-87	318596		
40185325004	FS-MW-03-SO-0.5-1.5-20190402	ASTM D2974-87	318596		
40185325005	FS-MW-03-SO-1.5-2.5-20190402	ASTM D2974-87	318596		
40185325006	FS-MW-04-SO-2.5-3.5-20190402	ASTM D2974-87	318596		
40185325007	FS-MW-05-SO-2.5-3.5-20190402	ASTM D2974-87	318596		
40185325008	FS-MW-13-SO-4.5-5.5-20190403	ASTM D2974-87	318596		
40185325009	FS-MW-13-SO-5.5-6.5-20190403	ASTM D2974-87	318596		
40185325010	FS-MW-11-SO-4.5-5.5-20190403	ASTM D2974-87	318596		
40185325011	FS-MW-11-SO-6.5-7.5-20190403	ASTM D2974-87	318596		
40185325012	FS-MW-10-SO-3.5-4.5-20190403	ASTM D2974-87	318596		
40185325013	FS-MW-10-SO-4.5-5.5-20190403	ASTM D2974-87	318596		
40185325014	FS-MW-06-SO-3.5-4.5-20190403	ASTM D2974-87	318596		
40185325015	FS-MW-06-SO-4.5-5.5-20190403	ASTM D2974-87	318596		
40185325016	FS-MW-02-SO-3.5-4.5-20190403	ASTM D2974-87	318596		
40185325017	FS-MW-02-SO-4.5-5.5-20190403	ASTM D2974-87	318647		
40185325018	FS-MW-01-SO-3.5-4.5-20190403	ASTM D2974-87	318647		
40185325019	FS-MW-01-SO-4.5-5.5-20190403	ASTM D2974-87	318647		
40185325020	FS-MW-07-SO-4.5-5.5-20190404	ASTM D2974-87	318647		

### REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: ERM, INC.

Branch/Location: Milwaukee

Project Contact: Ryan Plath

Phone: 847-848-4500

Project Number:

Project Name: Oscar Mayer

Project State: WI

Sampled By (Print): Corey Finley

Sampled By (Sign): CF

PO #:

Regulatory Program: WDNR

Matrix Codes

Matrix Codes: A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

Data Package Options (billable)

EPA Level III, EPA Level IV, MS/MSD (billable), NOT needed on your sample

CLIENT FIELD ID

DATE, TIME, MATRIX

Analyses Requested

PAH Method 8270 SIM, Moisture/Lead, VOCs Method 8260 B

Y/N, Pick Letter

Retention Codes: A=None, B=HCL, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH, H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

Filtered? (YES/NO), Preservation (CODE)

Relinquished By, Date/Time

Received By, Date/Time

Relinquished By, Date/Time

Received By, Date/Time

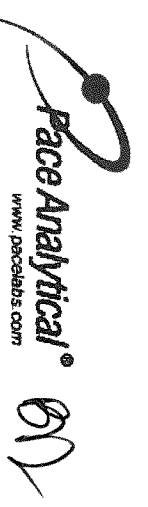
Relinquished By, Date/Time

Received By, Date/Time

Relinquished By, Date/Time

Received By, Date/Time

CHAIN OF CUSTODY



UPPER MIDWEST REGION, MN: 612-607-1700, WI: 920-469-2436

46185325

Quote #: [Blank]

Mail To Contact: [Blank]

Mail To Company: [Blank]

Mail To Address: [Blank]

Invoice To Contact: [Blank]

Invoice To Company: Northern Division

Invoice To Address: Accounts Payable@erm.com

Invoice To Phone: [Blank]

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

CLIENT FIELD ID	DATE	TIME	MATRIX	Y/N	Pick Letter	Retention Code	Filtered?	Preservation	Relinquished By	Date/Time	Received By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
001	FS-MW-12-50-4.5-5.5-20190402	4-2-19	S	X					Corey Finley	4/2/19	1130	Corey Finley	4/2/19	1130	Corey Finley	4/2/19
002	FS-MW-09-50-5.3-6.5-20190402	4-2-19	S	X					Corey Finley	4/2/19	1436	Corey Finley	4/2/19	1436	Corey Finley	4/2/19
003	FS-MW-09-50-6.5-7.5-20190402	4-2-19	S	X					Corey Finley	4/2/19	0835	Corey Finley	4/2/19	0835	Corey Finley	4/2/19
004	FS-MW-03-50-0.5-1.5-20190402	4-2-19	S	X					Corey Finley	4-2-19	1725	Corey Finley	4-2-19	1725	Corey Finley	4-2-19
005	FS-MW-03-50-0.5-1.5-20190402	4-2-19	S	X					Corey Finley	4-2-19	1415	Corey Finley	4-2-19	1415	Corey Finley	4-2-19
006	FS-MW-04-50-2.5-3.5-20190402	4-2-19	S	X					Corey Finley	4-2-19	1025	Corey Finley	4-2-19	1025	Corey Finley	4-2-19
007	FS-MW-05-50-2.5-3.5-20190402	4-2-19	S	X					Corey Finley	4-2-19	1115	Corey Finley	4-2-19	1115	Corey Finley	4-2-19
008	FS-MW-13-50-4.5-5.5-20190403	4-3-19	S	X					Corey Finley	4-3-19	1125	Corey Finley	4-3-19	1125	Corey Finley	4-3-19
009	FS-MW-13-50-5.5-6.5-20190403	4-3-19	S	X					Corey Finley	4-3-19	1125	Corey Finley	4-3-19	1125	Corey Finley	4-3-19
010	FS-MW-11-50-4.5-5.5-20190403	4-3-19	S	X					Corey Finley	4-3-19	1125	Corey Finley	4-3-19	1125	Corey Finley	4-3-19
011	FS-MW-11-50-6.5-7.5-20190403	4-3-19	S	X					Corey Finley	4-3-19	1125	Corey Finley	4-3-19	1125	Corey Finley	4-3-19
012	FS-MW-10-50-3.5-4.5-20190403	4-3-19	S	X					Corey Finley	4-3-19	1125	Corey Finley	4-3-19	1125	Corey Finley	4-3-19
013	FS-MW-10-50-4.5-5.5-20190403	4-3-19	S	X					Corey Finley	4-3-19	1125	Corey Finley	4-3-19	1125	Corey Finley	4-3-19

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1: [Blank]

Email #2: [Blank]

Telephone: [Blank]

Fax: [Blank]

Special pricing and release of liability

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06 ORIGINAL

(Please Print Clearly)

Company Name: **ERM, INC.**  
 Branch/Location: **Milwaukee**  
 Project Contact: **Ryan Plath**  
 Phone: **847-848-4500**  
 Project Number:  
 Project Name: **Oscar Mayer**  
 Project State: **WI**  
 Sampled By (Print): **Corey Finley**  
 Sampled By (Sign): *[Signature]*  
 PO #:  
 Data Package Options:  
 EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample  
 Matrix Codes:  
 A = Air  
 B = Biota  
 C = Charcoal  
 O = Oil  
 S = Soil  
 SI = Sludge  
 W = Water  
 DW = Drinking Water  
 GW = Ground Water  
 SW = Surface Water  
 WP = Waste Water  
 REGULATORY PROGRAM: **WDNR**



Preservation Codes:  
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested		
					Y/N	Pick Letter	Method
O14	FS-MW-06-50-3.5-4.5-20190403	4-3-19	1215	S	X	A	PAH method 8220 SIM
O15	FS-MW-06-50-4.5-5.5-20190403	4-3-19	1225	S	X	A	Moisture/Lead method 8260B
O16	FS-MW-02-50-3.5-4.5-20190403	4-3-19	1410	S	X	A	VOCs
O17	FS-MW-02-50-4.5-5.5-20190403	4-3-19	1420	S	X	A	
O18	FS-MW-01-50-3.5-4.5-20190403	4-3-19	1445	S	X	A	
O19	FS-MW-01-50-4.5-5.5-20190403	4-3-19	1455	S	X	A	
O20	FS-MW-07-50-4.5-5.5-20190404	4-4-19	1030	S	X	A	

Upper Midwest Region  
 MN: 612-607-1700 WI: 920-469-2436  
 Page 2 of 2  
 40185325  
 Page 87 of 89

Quote #:  
 Mail To Contact:  
 Mail To Company:  
 Mail To Address:  
 Invoice To Contact: **Northwestern Division Accounts**  
 Invoice To Company: **Payable@erm.com**  
 Invoice To Address:  
 Invoice To Phone:  
 CLIENT COMMENTS  
 LAB COMMENTS (Lab Use Only)  
 Profile #

Relinquished By: *[Signature]* Date/Time: 4/14/19 1130  
 Received By: *[Signature]* Date/Time: 04-04-19 1130  
 Relinquished By: *[Signature]* Date/Time: 4/14/19 1430  
 Received By: *[Signature]* Date/Time: 4-5-19 0825  
 Relinquished By: *[Signature]* Date/Time: 4/15/19 0825  
 Received By: *[Signature]* Date/Time: 4-5-19 0825

PACE Project No. **40185325**  
 Receipt Temp = **ROTC**  
 Sample Receipt pH  
 OK / Adjusted  
 Cooler Custody Seal  
 Present / Not Present  
 Intact / Not Intact

Client Name: ERCM

**Sample Preservation Receipt Form**

Project # 20185325

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Lab Lot# of pH paper:

Lab Std #/ID of preservation (if pH adjusted):

Initial when completed:

Date/ Time:

Page Analytical Services, LLC  
1241 Bellevue Street, Suite 209  
Green Bay, WI 54302  
Page 8 of 9

Page Lab #	Glass							Plastic							Vials				Jars			General		VOA Vials (>6mm) *				Volume (mL)				
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	H2SO4 pH ≤2		NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted
001																																2.5 / 5 / 10
002																																2.5 / 5 / 10
003																																2.5 / 5 / 10
004																																2.5 / 5 / 10
005																																2.5 / 5 / 10
006																																2.5 / 5 / 10
007																																2.5 / 5 / 10
008																																2.5 / 5 / 10
009																																2.5 / 5 / 10
010																																2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm) :  Yes  No  N/A \*If yes look in headspace column

AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN
1 liter amber glass	1 liter amber glass HCL	125 mL amber glass H2SO4	120 mL amber glass unpres	100 mL amber glass unpres	500 mL amber glass H2SO4	250 mL clear glass unpres	1 liter plastic unpres	500 mL plastic HNO3	500 mL plastic NaOH, Znact	250 mL plastic unpres	250 mL plastic NaOH	250 mL plastic HNO3	250 mL plastic H2SO4	40 mL amber ascorbic	40 mL amber Na Thio	40 mL clear vial unpres	40 mL clear vial HCL	40 mL clear vial MeOH	40 mL clear vial DI	4 oz amber jar unpres	4 oz clear jar unpres	4 oz plastic jar unpres	120 mL plastic Na Thiosulfate	ziploc bag	

1100



**Sample Condition Upon Receipt Form (SCUR)**

Client Name: ERM

Project #: \_\_\_\_\_

**WO#: 40185325**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used SR - N/A Type of Ice:  Wet  Blue Dry None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI /Corr: \_\_\_\_\_

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Temp should be above freezing to 6°C.  
Biota Samples may be received at ≤ 0°C.

Person examining contents:  
Date: 4-5-19  
Initials: SW

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No Mail</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

**Client Notification/ Resolution:** \_\_\_\_\_ If checked, see attached form for additional comments   
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: Ran for DN

Date: 04/05/19

February 21, 2019

Ryan Plath  
ERM  
700 W. Virginia St.  
Suite 601  
Milwaukee, WI 53211

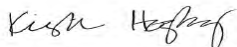
RE: Project: 0441161 Moyer-Madison  
Pace Project No.: 10464178

Dear Ryan Plath:

Enclosed are the analytical results for sample(s) received by the laboratory on February 14, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kirsten Hogberg  
kirsten.hogberg@pacelabs.com  
(612)607-1700  
Project Manager

Enclosures

cc: David De Courcy-Bower, ERM  
Mr. Carl Stay, ERM



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0441161 Moyer-Madison

Pace Project No.: 10464178

---

### Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0441161 Moyer-Madison

Pace Project No.: 10464178

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10464178001	VP-02-AF-20190212	Air	02/12/19 11:37	02/14/19 10:10
10464178002	VP-11-AF-20190212	Air	02/12/19 12:06	02/14/19 10:10
10464178003	VP-12-AF-20190212	Air	02/12/19 12:19	02/14/19 10:10
10464178004	VP-13-AF-20190212	Air	02/12/19 11:56	02/14/19 10:10
10464178005	VP-14-AF-20190212	Air	02/12/19 11:18	02/14/19 10:10
10464178006	VP-15-AF-20190212	Air	02/12/19 13:39	02/14/19 10:10
10464178007	VP-16-AF-20190212	Air	02/12/19 13:27	02/14/19 10:10
10464178008	VP-17-AF-20190212	Air	02/12/19 12:44	02/14/19 10:10
10464178009	VP-18-AF-20190212	Air	02/12/19 10:44	02/14/19 10:10
10464178010	VP-19-AF-20190212	Air	02/12/19 10:54	02/14/19 10:10
10464178011	VP-20-AF-20190212	Air	02/12/19 10:28	02/14/19 10:10

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 0441161 Moyer-Madison

Pace Project No.: 10464178

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10464178001	VP-02-AF-20190212	TO-15	MG2	1	PASI-M
10464178002	VP-11-AF-20190212	TO-15	AFV	1	PASI-M
10464178003	VP-12-AF-20190212	TO-15	AFV	1	PASI-M
10464178004	VP-13-AF-20190212	TO-15	MG2	1	PASI-M
10464178005	VP-14-AF-20190212	TO-15	MG2	1	PASI-M
10464178006	VP-15-AF-20190212	TO-15	AFV	1	PASI-M
10464178007	VP-16-AF-20190212	TO-15	AFV	1	PASI-M
10464178008	VP-17-AF-20190212	TO-15	AFV	1	PASI-M
10464178009	VP-18-AF-20190212	TO-15	MG2	1	PASI-M
10464178010	VP-19-AF-20190212	TO-15	AFV	1	PASI-M
10464178011	VP-20-AF-20190212	TO-15	MG2	1	PASI-M

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 Moyer-Madison  
Pace Project No.: 10464178

<b>Sample: VP-02-AF-20190212</b>									
		<b>Lab ID: 10464178001</b>	Collected: 02/12/19 11:37	Received: 02/14/19 10:10	Matrix: Air				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Trichloroethene	<b>2680</b>	ug/m3	26.4	12.4	48.3		02/21/19 10:17	79-01-6	
<b>Sample: VP-11-AF-20190212</b>									
		<b>Lab ID: 10464178002</b>	Collected: 02/12/19 12:06	Received: 02/14/19 10:10	Matrix: Air				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Trichloroethene	<b>278</b>	ug/m3	4.3	2.0	7.9		02/19/19 19:41	79-01-6	
<b>Sample: VP-12-AF-20190212</b>									
		<b>Lab ID: 10464178003</b>	Collected: 02/12/19 12:19	Received: 02/14/19 10:10	Matrix: Air				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Trichloroethene	<b>4.1</b>	ug/m3	0.81	0.38	1.49		02/19/19 19:14	79-01-6	
<b>Sample: VP-13-AF-20190212</b>									
		<b>Lab ID: 10464178004</b>	Collected: 02/12/19 11:56	Received: 02/14/19 10:10	Matrix: Air				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Trichloroethene	<b>31800</b>	ug/m3	521	245	953.6		02/21/19 12:00	79-01-6	
<b>Sample: VP-14-AF-20190212</b>									
		<b>Lab ID: 10464178005</b>	Collected: 02/12/19 11:18	Received: 02/14/19 10:10	Matrix: Air				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Trichloroethene	<b>66800</b>	ug/m3	1060	500	1946		02/21/19 12:25	79-01-6	
<b>Sample: VP-15-AF-20190212</b>									
		<b>Lab ID: 10464178006</b>	Collected: 02/12/19 13:39	Received: 02/14/19 10:10	Matrix: Air				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Trichloroethene	<b>2.7</b>	ug/m3	0.85	0.40	1.55		02/19/19 18:45	79-01-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 Moyer-Madison

Pace Project No.: 10464178

**Sample: VP-16-AF-20190212**      **Lab ID: 10464178007**      Collected: 02/12/19 13:27      Received: 02/14/19 10:10      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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**TO15 MSV AIR**      Analytical Method: TO-15

Trichloroethene	<b>6.7</b>	ug/m3	0.86	0.41	1.58		02/19/19 17:47	79-01-6	
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**Sample: VP-17-AF-20190212**      **Lab ID: 10464178008**      Collected: 02/12/19 12:44      Received: 02/14/19 10:10      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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**TO15 MSV AIR**      Analytical Method: TO-15

Trichloroethene	<b>6.6</b>	ug/m3	0.81	0.38	1.49		02/19/19 18:16	79-01-6	
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**Sample: VP-18-AF-20190212**      **Lab ID: 10464178009**      Collected: 02/12/19 10:44      Received: 02/14/19 10:10      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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**TO15 MSV AIR**      Analytical Method: TO-15

Trichloroethene	<b>14600</b>	ug/m3	133	62.5	243.2		02/21/19 11:35	79-01-6	
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**Sample: VP-19-AF-20190212**      **Lab ID: 10464178010**      Collected: 02/12/19 10:54      Received: 02/14/19 10:10      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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**TO15 MSV AIR**      Analytical Method: TO-15

Trichloroethene	<b>394</b>	ug/m3	17.9	8.4	32.8		02/19/19 20:09	79-01-6	
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**Sample: VP-20-AF-20190212**      **Lab ID: 10464178011**      Collected: 02/12/19 10:28      Received: 02/14/19 10:10      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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**TO15 MSV AIR**      Analytical Method: TO-15

Trichloroethene	<b>5190</b>	ug/m3	67.7	31.9	124		02/21/19 10:42	79-01-6	
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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 Moyer-Madison

Pace Project No.: 10464178

QC Batch: 590560

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 10464178002, 10464178003, 10464178006, 10464178007, 10464178008, 10464178010

METHOD BLANK: 3193942

Matrix: Air

Associated Lab Samples: 10464178002, 10464178003, 10464178006, 10464178007, 10464178008, 10464178010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/m3	<0.13	0.27	02/19/19 10:40	

LABORATORY CONTROL SAMPLE: 3193943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/m3	54.6	56.2	103	70-130	

SAMPLE DUPLICATE: 3194489

Parameter	Units	10464342015 Result	Dup Result	RPD	Max RPD	Qualifiers
Trichloroethene	ug/m3	<1.0	<0.47		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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## QUALIFIERS

Project: 0441161 Moyer-Madison

Pace Project No.: 10464178

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 Moyer-Madison

Pace Project No.: 10464178

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10464178001	VP-02-AF-20190212	TO-15	590823		
10464178002	VP-11-AF-20190212	TO-15	590560		
10464178003	VP-12-AF-20190212	TO-15	590560		
10464178004	VP-13-AF-20190212	TO-15	590823		
10464178005	VP-14-AF-20190212	TO-15	590823		
10464178006	VP-15-AF-20190212	TO-15	590560		
10464178007	VP-16-AF-20190212	TO-15	590560		
10464178008	VP-17-AF-20190212	TO-15	590560		
10464178009	VP-18-AF-20190212	TO-15	590823		
10464178010	VP-19-AF-20190212	TO-15	590560		
10464178011	VP-20-AF-20190212	TO-15	590823		

### REPORT OF LABORATORY ANALYSIS

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WO#: 10464178



**AIR: CHAIN-OF-CUSTODY /**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant



Page: 1 of 1

**Section A** Required Client Information:  
 Company: EPA  
 Address: 200 W Virginia St  
 Milwaukee, WI 53204  
 Email To: ya@efm.com  
 Phone: 414-848-4500  
 Requested Due Date/TAT: STANDARD

**Section B** Required Project Information:  
 Report To: Ryan.Pleth@efm.com  
 Copy To: Ryan.Pleth@efm.com  
 Address: 200 W Virginia St  
 Milwaukee, WI 53204  
 Email To: ya@efm.com  
 Phone: 414-848-4500  
 Requested Due Date/TAT: STANDARD

**Section C** Invoice Information:  
 Attention: Next the Madison accounts payable @  
 Company Name: efm.com  
 Address: 200 W Virginia St  
 Milwaukee, WI 53204  
 Email To: ya@efm.com  
 Phone: 414-848-4500  
 Requested Due Date/TAT: STANDARD

**Section D** Required Client Information:  
 AIR SAMPLE ID  
 Sample IDs MUST BE UNIQUE

ITEM #	AIR SAMPLE ID	MEDIA CODE	COLLECTED		Canister Pressure (Initial Field - In Hg)	Canister Pressure (Final Field - In Hg)	Summa Can Number	Flow Control Number	Pace Lab ID
			DATE	TIME					
1	VP-02-AF-20190212	6LC 0.9	2/12/19	1137	29	5	1755	0772	001
2	VP-11-AF-20190212	6LC 2.1	2/12/19	1206	27	4	1702	1579	002
3	VP-12-AF-20190212	6LC 1.2	2/12/19	1147	29	5	1729	1668	003
4	VP-13-AF-20190212	6LC 5.6	2/12/19	1156	29	4	0702	1615	004
5	VP-14-AF-20190212	6LC 2.4	2/12/19	1043	28	4	1586	1620	005
6	VP-15-AF-20190212	6LC 0	2/12/19	1339	29	5	0421	1111	006
7	VP-16-AF-20190212	6LC 1.0	2/12/19	1253	28	5	0349	1813	007
8	VP-17-AF-20190212	6LC 1.4	2/12/19	1205	29	4	2365	1758	008
9	VP-18-AF-20190212	6LC 1.5	2/12/19	1008	30	5	1511	0001	009
10	VP-19-AF-20190212	6LC 2.0	2/12/19	1022	29	5	3407	0639	010
11	VP-20-AF-20190212	6LC 0	2/12/19	1047	30	6	1641	0625	011
12									

**Comments:** R REPOR TICE TCE ONLY. CONTACT BEFORE RUNNING SAMPLES w/ Sample Summary Emission

**RELINQUISHED BY / AFFILIATION:** Ryan Pleth / Pace  
**DATE:** 2/12/19  
**TIME:** 1617

**ACCEPTED BY / AFFILIATION:** [Signature]  
**DATE:** 02/14/19  
**TIME:** 1010

**SAMPLE CONDITIONS:**  
 Temp in C: \_\_\_\_\_  
 Received on Ice: Y/N  
 Custody Sealed Cooler: Y/N  
 Samples Intact: Y/N

**SAMPLER NAME AND SIGNATURE:** Ryan Pleth  
**DATE SIGNED:** 02/12/2019

ORIGINAL



Document Name:  
Air Sample Condition Upon Receipt  
Document No.:  
F-MN-A-106-rev.18

Document Revised: 31Jan2019  
Page 1 of 1  
Issuing Authority:  
Pace Minnesota Quality Office

**Air Sample Condition Upon Receipt**

Client Name:  
ERM

Project #:

**WO# : 10464178**

Courier:  Fed Ex  UPS  USPS  Client  
 Pace  Speedee  Commercial  See Exception

PM: KNH

Due Date: 02/21/19

Tracking Number: 4343 9909 403 714026 14048

CLIENT: ERM-WI

Custody Seal on Cooler/Box Present?  Yes  No      Seals Intact?  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  Foam  None  Tin Can  Other: \_\_\_\_\_      Temp Blank rec:  Yes  No

Temp. (TO17 and TO13 samples only) (°C): \_\_\_\_\_ Corrected Temp (°C): \_\_\_\_\_      Thermometer Used:  G87A9170600254  G87A9155100842

Temp should be above freezing to 6°C      Correction Factor: \_\_\_\_\_

Date & Initials of Person Examining Contents: 02/14/19 CS

Type of ice Received  Blue  Wet  None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <u>Air Can</u> Airbag    Filter    TDT    Passive		11. Individually Certified Cans <input checked="" type="checkbox"/> Y <input type="checkbox"/> N (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Do cans need to be pressurized (3C and ASTM 1946 DO NOT PRESSURIZE)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13.

Samples Received:					Pressure Gauge # <input type="checkbox"/> 10AIR34 <input checked="" type="checkbox"/> 10AIR35				
Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
VP-02			-5.0	+5.0	VP-18		1001	-3.5	+5.0
" 11			-4.5	"	" 19			-5.5	"
" 12			-3.0	"	" 20			-4.0	"
" 13			-3.0	"					
" 14			-3.5	"					
" 15			-4.0	"					
" 16			-4.5	"					
" 17			-3.0	"					

**CLIENT NOTIFICATION/RESOLUTION**

Field Data Required?  Yes  No

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

Project Manager Review:

Kirsten Hofer

Date: 2/14/2019

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

May 02, 2019

Ryan Plath  
ERM, INC.  
700 W. Virginia Street  
Suite 601  
Milwaukee, WI 53204

RE: Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Dear Ryan Plath:

Enclosed are the analytical results for sample(s) received by the laboratory on April 17, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised Report: The sample ID has been updated for 40185923010.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: David deCourcy-Bower, ERM, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40185923001	TS-VAS-001-WG-15-17-20190415	Water	04/15/19 15:50	04/17/19 09:40
40185923002	TS-VAS-001-WG-25-27-20190415	Water	04/15/19 17:05	04/17/19 09:40
40185923003	TS-VAS-001-WG-35-37-20190416	Water	04/16/19 09:00	04/17/19 09:40
40185923004	TS-VAS-001-WG-45-47-20190416	Water	04/16/19 09:45	04/17/19 09:40
40185923005	TS-VAS-001-WG-55-57-20190416	Water	04/16/19 10:50	04/17/19 09:40
40185923006	DUP-01-WG-20190416	Water	04/16/19 00:00	04/17/19 09:40
40185923007	TS-VAS-001-WG-65-67-20190416	Water	04/16/19 11:45	04/17/19 09:40
40185923008	TS-VAS-001-WG-75-77-20190416	Water	04/16/19 14:30	04/17/19 09:40
40185923009	TS-VAS-001-WG-85-87-20190416	Water	04/16/19 15:30	04/17/19 09:40
40185923010	TS-MW-17C-SO-2.5-3.5-20190415	Solid	04/15/19 10:15	04/17/19 09:40
40185923011	TS-VAS-001-WG-95-97-20190416	Water	04/16/19 16:35	04/17/19 09:40

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### SAMPLE ANALYTE COUNT

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40185923001	TS-VAS-001-WG-15-17-20190415	EPA 8260	LAP	64	PASI-G
40185923002	TS-VAS-001-WG-25-27-20190415	EPA 8260	LAP	64	PASI-G
40185923003	TS-VAS-001-WG-35-37-20190416	EPA 8260	LAP	64	PASI-G
40185923004	TS-VAS-001-WG-45-47-20190416	EPA 8260	LAP	64	PASI-G
40185923005	TS-VAS-001-WG-55-57-20190416	EPA 8260	LAP	64	PASI-G
40185923006	DUP-01-WG-20190416	EPA 8260	LAP	64	PASI-G
40185923007	TS-VAS-001-WG-65-67-20190416	EPA 8260	LAP	64	PASI-G
40185923008	TS-VAS-001-WG-75-77-20190416	EPA 8260	LAP	64	PASI-G
40185923009	TS-VAS-001-WG-85-87-20190416	EPA 8260	LAP	64	PASI-G
40185923010	TS-MW-17C-SO-2.5-3.5-20190415	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	JXM	1	PASI-G
40185923011	TS-VAS-001-WG-95-97-20190416	EPA 8260	LAP	64	PASI-G

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-15-17-20190415      **Lab ID:** 40185923001      Collected: 04/15/19 15:50      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 17:16	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 17:16	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 17:16	79-34-5	
1,1,2-Trichloroethane	20.7	ug/L	5.0	0.55	1		04/18/19 17:16	79-00-5	
1,1-Dichloroethane	5.0	ug/L	1.0	0.27	1		04/18/19 17:16	75-34-3	
1,1-Dichloroethene	10.8	ug/L	1.0	0.24	1		04/18/19 17:16	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 17:16	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 17:16	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 17:16	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 17:16	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 17:16	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 17:16	96-12-8	
1,2-Dibromoethane (EDB)	1.7J	ug/L	2.8	0.83	1		04/18/19 17:16	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:16	95-50-1	
1,2-Dichloroethane	64400	ug/L	500	140	500		04/19/19 13:33	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 17:16	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 17:16	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 17:16	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 17:16	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 17:16	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 17:16	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 17:16	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 17:16	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 17:16	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 17:16	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 17:16	74-97-5	
Bromodichloromethane	0.47J	ug/L	1.2	0.36	1		04/18/19 17:16	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 17:16	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 17:16	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 17:16	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:16	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 17:16	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 17:16	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 17:16	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 17:16	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 17:16	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 17:16	75-71-8	
Diisopropyl ether	12.8	ug/L	6.3	1.9	1		04/18/19 17:16	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 17:16	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 17:16	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 17:16	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 17:16	1634-04-4	
Methylene Chloride	0.68J	ug/L	5.0	0.58	1		04/18/19 17:16	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 17:16	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 17:16	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-15-17-20190415      **Lab ID:** 40185923001      Collected: 04/15/19 15:50      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	4.6	ug/L	1.1	0.33	1		04/18/19 17:16	127-18-4	
Toluene	1.3J	ug/L	5.0	0.17	1		04/18/19 17:16	108-88-3	
Trichloroethene	22.2	ug/L	1.0	0.26	1		04/18/19 17:16	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 17:16	75-69-4	
Vinyl chloride	648	ug/L	500	87.3	500		04/19/19 13:33	75-01-4	
cis-1,2-Dichloroethene	12.1	ug/L	1.0	0.27	1		04/18/19 17:16	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 17:16	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 17:16	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:16	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 17:16	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 17:16	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 17:16	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 17:16	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 17:16	98-06-6	
trans-1,2-Dichloroethene	1.3J	ug/L	3.6	1.1	1		04/18/19 17:16	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 17:16	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85	%	70-130		1		04/18/19 17:16	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		04/18/19 17:16	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 17:16	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-25-27-20190415    **Lab ID:** 40185923002    Collected: 04/15/19 17:05    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 17:38	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 17:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 17:38	79-34-5	
1,1,2-Trichloroethane	4.6J	ug/L	5.0	0.55	1		04/18/19 17:38	79-00-5	
1,1-Dichloroethane	0.92J	ug/L	1.0	0.27	1		04/18/19 17:38	75-34-3	
1,1-Dichloroethene	2.3	ug/L	1.0	0.24	1		04/18/19 17:38	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 17:38	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 17:38	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 17:38	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 17:38	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 17:38	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 17:38	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 17:38	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:38	95-50-1	
1,2-Dichloroethane	21700	ug/L	100	28.0	100		04/19/19 13:11	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 17:38	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 17:38	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 17:38	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 17:38	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 17:38	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 17:38	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 17:38	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 17:38	106-43-4	
Benzene	4.4	ug/L	1.0	0.25	1		04/18/19 17:38	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 17:38	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 17:38	74-97-5	
Bromodichloromethane	2.2	ug/L	1.2	0.36	1		04/18/19 17:38	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 17:38	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 17:38	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 17:38	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:38	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 17:38	75-00-3	
Chloroform	1.8J	ug/L	5.0	1.3	1		04/18/19 17:38	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 17:38	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 17:38	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 17:38	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 17:38	75-71-8	
Diisopropyl ether	3.1J	ug/L	6.3	1.9	1		04/18/19 17:38	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 17:38	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 17:38	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 17:38	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 17:38	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 17:38	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 17:38	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 17:38	100-42-5	

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### ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-25-27-20190415      **Lab ID:** 40185923002      Collected: 04/15/19 17:05      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	1.5	ug/L	1.1	0.33	1		04/18/19 17:38	127-18-4	
Toluene	0.47J	ug/L	5.0	0.17	1		04/18/19 17:38	108-88-3	
Trichloroethene	5.8	ug/L	1.0	0.26	1		04/18/19 17:38	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 17:38	75-69-4	
Vinyl chloride	135	ug/L	1.0	0.17	1		04/18/19 17:38	75-01-4	
cis-1,2-Dichloroethene	2.5	ug/L	1.0	0.27	1		04/18/19 17:38	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 17:38	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 17:38	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:38	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 17:38	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 17:38	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 17:38	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 17:38	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 17:38	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 17:38	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 17:38	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	84	%	70-130		1		04/18/19 17:38	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		04/18/19 17:38	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 17:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Sample: **TS-VAS-001-WG-35-37-20190416** Lab ID: **40185923003** Collected: 04/16/19 09:00 Received: 04/17/19 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 14:20	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 14:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 14:20	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 14:20	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 14:20	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 14:20	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 14:20	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 14:20	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 14:20	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 14:20	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 14:20	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 14:20	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 14:20	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:20	95-50-1	
1,2-Dichloroethane	8.7	ug/L	1.0	0.28	1		04/18/19 14:20	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 14:20	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 14:20	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 14:20	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 14:20	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 14:20	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 14:20	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 14:20	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 14:20	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 14:20	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 14:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 14:20	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 14:20	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 14:20	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 14:20	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 14:20	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:20	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 14:20	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 14:20	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 14:20	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 14:20	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 14:20	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 14:20	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 14:20	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 14:20	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 14:20	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 14:20	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 14:20	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 14:20	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 14:20	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 14:20	100-42-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-35-37-20190416      **Lab ID:** 40185923003      Collected: 04/16/19 09:00      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 14:20	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 14:20	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 14:20	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 14:20	75-69-4	
Vinyl chloride	<b>0.83J</b>	ug/L	1.0	0.17	1		04/18/19 14:20	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 14:20	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 14:20	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 14:20	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:20	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 14:20	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 14:20	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 14:20	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 14:20	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 14:20	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 14:20	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 14:20	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	84	%	70-130		1		04/18/19 14:20	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/18/19 14:20	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/18/19 14:20	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Sample: **TS-VAS-001-WG-45-47-20190416** Lab ID: **40185923004** Collected: 04/16/19 09:45 Received: 04/17/19 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 14:42	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 14:42	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 14:42	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 14:42	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 14:42	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 14:42	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 14:42	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 14:42	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 14:42	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 14:42	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 14:42	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 14:42	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 14:42	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:42	95-50-1	
1,2-Dichloroethane	14.6	ug/L	1.0	0.28	1		04/18/19 14:42	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 14:42	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 14:42	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 14:42	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 14:42	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 14:42	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 14:42	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 14:42	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 14:42	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 14:42	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 14:42	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 14:42	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 14:42	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 14:42	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 14:42	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 14:42	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:42	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 14:42	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 14:42	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 14:42	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 14:42	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 14:42	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 14:42	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 14:42	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 14:42	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 14:42	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 14:42	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 14:42	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 14:42	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 14:42	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 14:42	100-42-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-45-47-20190416      **Lab ID:** 40185923004      Collected: 04/16/19 09:45      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 14:42	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 14:42	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 14:42	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 14:42	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/18/19 14:42	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 14:42	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 14:42	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 14:42	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:42	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 14:42	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 14:42	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 14:42	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 14:42	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 14:42	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 14:42	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 14:42	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	78	%	70-130		1		04/18/19 14:42	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/18/19 14:42	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 14:42	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Sample: **TS-VAS-001-WG-55-57-20190416** Lab ID: **40185923005** Collected: 04/16/19 10:50 Received: 04/17/19 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:04	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 15:04	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:04	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 15:04	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:04	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:04	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 15:04	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 15:04	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 15:04	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 15:04	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 15:04	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 15:04	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 15:04	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:04	95-50-1	
1,2-Dichloroethane	0.94J	ug/L	1.0	0.28	1		04/18/19 15:04	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:04	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 15:04	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 15:04	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 15:04	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 15:04	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 15:04	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 15:04	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 15:04	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 15:04	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:04	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 15:04	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 15:04	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 15:04	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 15:04	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 15:04	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:04	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 15:04	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 15:04	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 15:04	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 15:04	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 15:04	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 15:04	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 15:04	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 15:04	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:04	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 15:04	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 15:04	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 15:04	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:04	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 15:04	100-42-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-55-57-20190416    **Lab ID:** 40185923005    Collected: 04/16/19 10:50    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 15:04	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 15:04	108-88-3	
Trichloroethene	0.38J	ug/L	1.0	0.26	1		04/18/19 15:04	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 15:04	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/18/19 15:04	75-01-4	
cis-1,2-Dichloroethene	0.70J	ug/L	1.0	0.27	1		04/18/19 15:04	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 15:04	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 15:04	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:04	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 15:04	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 15:04	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 15:04	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 15:04	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 15:04	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 15:04	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 15:04	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	80	%	70-130		1		04/18/19 15:04	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		04/18/19 15:04	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		04/18/19 15:04	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample: DUP-01-WG-20190416**      **Lab ID: 40185923006**      Collected: 04/16/19 00:00      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:26	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 15:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:26	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 15:26	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:26	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:26	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 15:26	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 15:26	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 15:26	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 15:26	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 15:26	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 15:26	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 15:26	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:26	95-50-1	
1,2-Dichloroethane	1.7	ug/L	1.0	0.28	1		04/18/19 15:26	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:26	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 15:26	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 15:26	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 15:26	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 15:26	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 15:26	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 15:26	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 15:26	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 15:26	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:26	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 15:26	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 15:26	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 15:26	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 15:26	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 15:26	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:26	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 15:26	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 15:26	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 15:26	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 15:26	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 15:26	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 15:26	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 15:26	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 15:26	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:26	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 15:26	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 15:26	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 15:26	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:26	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 15:26	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 15:26	127-18-4	

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### ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample: DUP-01-WG-20190416**    **Lab ID: 40185923006**    Collected: 04/16/19 00:00    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 15:26	108-88-3	
Trichloroethene	0.39J	ug/L	1.0	0.26	1		04/18/19 15:26	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 15:26	75-69-4	
Vinyl chloride	0.23J	ug/L	1.0	0.17	1		04/18/19 15:26	75-01-4	
cis-1,2-Dichloroethene	0.87J	ug/L	1.0	0.27	1		04/18/19 15:26	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 15:26	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 15:26	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:26	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 15:26	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 15:26	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 15:26	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 15:26	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 15:26	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 15:26	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 15:26	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	79	%	70-130		1		04/18/19 15:26	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		04/18/19 15:26	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 15:26	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Sample: **TS-VAS-001-WG-65-67-20190416** Lab ID: **40185923007** Collected: 04/16/19 11:45 Received: 04/17/19 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:48	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 15:48	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:48	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 15:48	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:48	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:48	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 15:48	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 15:48	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 15:48	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 15:48	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 15:48	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 15:48	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 15:48	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:48	95-50-1	
1,2-Dichloroethane	0.64J	ug/L	1.0	0.28	1		04/18/19 15:48	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:48	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 15:48	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 15:48	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 15:48	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 15:48	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 15:48	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 15:48	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 15:48	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 15:48	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:48	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 15:48	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 15:48	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 15:48	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 15:48	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 15:48	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:48	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 15:48	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 15:48	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 15:48	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 15:48	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 15:48	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 15:48	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 15:48	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 15:48	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:48	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 15:48	98-82-8	
Methyl-tert-butyl ether	5.7	ug/L	4.2	1.2	1		04/18/19 15:48	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 15:48	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:48	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 15:48	100-42-5	

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### ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-65-67-20190416      **Lab ID:** 40185923007      Collected: 04/16/19 11:45      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 15:48	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 15:48	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 15:48	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 15:48	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/18/19 15:48	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 15:48	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 15:48	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 15:48	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:48	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 15:48	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 15:48	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 15:48	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 15:48	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 15:48	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 15:48	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 15:48	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	84	%	70-130		1		04/18/19 15:48	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/18/19 15:48	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		04/18/19 15:48	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Sample: **TS-VAS-001-WG-75-77-20190416** Lab ID: **40185923008** Collected: 04/16/19 14:30 Received: 04/17/19 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:10	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 16:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:10	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 16:10	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:10	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:10	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 16:10	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 16:10	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 16:10	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 16:10	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 16:10	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 16:10	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 16:10	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:10	95-50-1	
1,2-Dichloroethane	10.9	ug/L	1.0	0.28	1		04/18/19 16:10	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:10	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 16:10	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 16:10	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 16:10	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 16:10	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 16:10	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 16:10	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 16:10	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 16:10	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:10	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 16:10	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 16:10	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 16:10	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 16:10	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 16:10	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:10	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 16:10	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 16:10	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 16:10	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 16:10	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 16:10	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 16:10	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 16:10	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 16:10	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:10	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 16:10	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 16:10	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 16:10	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:10	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 16:10	100-42-5	

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### ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-75-77-20190416    **Lab ID:** 40185923008    Collected: 04/16/19 14:30    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 16:10	127-18-4	
Toluene	0.24J	ug/L	5.0	0.17	1		04/18/19 16:10	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:10	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 16:10	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/18/19 16:10	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 16:10	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 16:10	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 16:10	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:10	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 16:10	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:10	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 16:10	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 16:10	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 16:10	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 16:10	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 16:10	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	82	%	70-130		1		04/18/19 16:10	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/18/19 16:10	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 16:10	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-85-87-20190416    **Lab ID:** 40185923009    Collected: 04/16/19 15:30    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:32	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 16:32	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:32	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 16:32	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:32	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:32	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 16:32	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 16:32	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 16:32	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 16:32	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 16:32	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 16:32	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 16:32	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:32	95-50-1	
1,2-Dichloroethane	40.6	ug/L	1.0	0.28	1		04/18/19 16:32	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:32	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 16:32	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 16:32	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 16:32	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 16:32	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 16:32	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 16:32	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 16:32	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 16:32	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:32	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 16:32	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 16:32	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 16:32	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 16:32	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 16:32	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:32	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 16:32	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 16:32	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 16:32	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 16:32	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 16:32	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 16:32	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 16:32	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 16:32	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:32	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 16:32	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 16:32	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 16:32	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:32	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 16:32	100-42-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-85-87-20190416    **Lab ID:** 40185923009    Collected: 04/16/19 15:30    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 16:32	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 16:32	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:32	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 16:32	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/18/19 16:32	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 16:32	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 16:32	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 16:32	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:32	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 16:32	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:32	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 16:32	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 16:32	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 16:32	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 16:32	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 16:32	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	77	%	70-130		1		04/18/19 16:32	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		04/18/19 16:32	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/18/19 16:32	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-MW-17C-SO-2.5-3.5-20190415      **Lab ID:** 40185923010      Collected: 04/15/19 10:15      Received: 04/17/19 09:40      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	71-43-2	W
Bromobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	108-86-1	W
Bromochloromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	74-97-5	W
Bromodichloromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-27-4	W
Bromoform	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-25-2	W
Bromomethane	<71.3	ug/kg	255	71.3	1	04/19/19 10:00	04/20/19 00:33	74-83-9	W
n-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	104-51-8	W
sec-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	135-98-8	W
tert-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	98-06-6	W
Carbon tetrachloride	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	56-23-5	W
Chlorobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	108-90-7	W
Chloroethane	<68.4	ug/kg	255	68.4	1	04/19/19 10:00	04/20/19 00:33	75-00-3	W
Chloroform	<47.4	ug/kg	255	47.4	1	04/19/19 10:00	04/20/19 00:33	67-66-3	W
Chloromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	74-87-3	W
2-Chlorotoluene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	95-49-8	W
4-Chlorotoluene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	106-43-4	W
1,2-Dibromo-3-chloropropane	<93.1	ug/kg	255	93.1	1	04/19/19 10:00	04/20/19 00:33	96-12-8	W
Dibromochloromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	124-48-1	W
1,2-Dibromoethane (EDB)	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	106-93-4	W
Dibromomethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	74-95-3	W
1,2-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	95-50-1	W
1,3-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	541-73-1	W
1,4-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	106-46-7	W
Dichlorodifluoromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-71-8	W
1,1-Dichloroethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-34-3	W
1,2-Dichloroethane	94.6	ug/kg	82.4	34.3	1	04/19/19 10:00	04/20/19 00:33	107-06-2	
1,1-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-35-4	W
cis-1,2-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	156-59-2	W
trans-1,2-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	156-60-5	W
1,2-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	78-87-5	W
1,3-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	142-28-9	W
2,2-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	594-20-7	W
1,1-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	563-58-6	W
cis-1,3-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	10061-01-5	W
trans-1,3-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	10061-02-6	W
Diisopropyl ether	157	ug/kg	82.4	34.3	1	04/19/19 10:00	04/20/19 00:33	108-20-3	
Ethylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	100-41-4	W
Hexachloro-1,3-butadiene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	87-68-3	W
Isopropylbenzene (Cumene)	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	98-82-8	W
p-Isopropyltoluene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	99-87-6	W
Methylene Chloride	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-09-2	W
Methyl-tert-butyl ether	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	1634-04-4	W
Naphthalene	<40.9	ug/kg	255	40.9	1	04/19/19 10:00	04/20/19 00:33	91-20-3	W
n-Propylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	103-65-1	W

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-MW-17C-SO-2.5-3.5-20190415    **Lab ID:** 40185923010    Collected: 04/15/19 10:15    Received: 04/17/19 09:40    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Styrene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	79-34-5	W
Tetrachloroethene	647	ug/kg	82.4	34.3	1	04/19/19 10:00	04/20/19 00:33	127-18-4	
Toluene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	108-88-3	W
1,2,3-Trichlorobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	87-61-6	W
1,2,4-Trichlorobenzene	<48.5	ug/kg	255	48.5	1	04/19/19 10:00	04/20/19 00:33	120-82-1	W
1,1,1-Trichloroethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	71-55-6	W
1,1,2-Trichloroethane	60.2J	ug/kg	82.4	34.3	1	04/19/19 10:00	04/20/19 00:33	79-00-5	
Trichloroethene	176	ug/kg	82.4	34.3	1	04/19/19 10:00	04/20/19 00:33	79-01-6	
Trichlorofluoromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-69-4	W
1,2,3-Trichloropropane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	96-18-4	W
1,2,4-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	95-63-6	W
1,3,5-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	108-67-8	W
Vinyl chloride	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-01-4	W
m&p-Xylene	<51.0	ug/kg	122	51.0	1	04/19/19 10:00	04/20/19 00:33	179601-23-1	W
o-Xylene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	97	%	57-146		1	04/19/19 10:00	04/20/19 00:33	1868-53-7	
Toluene-d8 (S)	96	%	64-134		1	04/19/19 10:00	04/20/19 00:33	2037-26-5	
4-Bromofluorobenzene (S)	106	%	54-126		1	04/19/19 10:00	04/20/19 00:33	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	25.7	%	0.10	0.10	1		04/29/19 10:06		

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Sample: **TS-VAS-001-WG-95-97-20190416**      Lab ID: **40185923011**      Collected: 04/16/19 16:35      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:54	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 16:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:54	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 16:54	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:54	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:54	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 16:54	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 16:54	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 16:54	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 16:54	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 16:54	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 16:54	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 16:54	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:54	95-50-1	
1,2-Dichloroethane	2220	ug/L	50.0	14.0	50		04/19/19 12:49	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:54	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 16:54	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 16:54	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 16:54	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 16:54	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 16:54	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 16:54	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 16:54	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 16:54	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:54	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 16:54	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 16:54	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 16:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 16:54	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 16:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 16:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 16:54	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 16:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 16:54	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 16:54	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 16:54	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 16:54	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 16:54	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:54	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 16:54	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 16:54	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 16:54	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:54	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 16:54	100-42-5	

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### ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-95-97-20190416    **Lab ID:** 40185923011    Collected: 04/16/19 16:35    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 16:54	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 16:54	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:54	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 16:54	75-69-4	
Vinyl chloride	0.38J	ug/L	1.0	0.17	1		04/18/19 16:54	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 16:54	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 16:54	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 16:54	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:54	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 16:54	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:54	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 16:54	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 16:54	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 16:54	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 16:54	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 16:54	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85	%	70-130		1		04/18/19 16:54	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/18/19 16:54	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 16:54	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

QC Batch: 318952 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Associated Lab Samples: 40185923010

METHOD BLANK: 1853496 Matrix: Solid  
Associated Lab Samples: 40185923010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/19/19 10:23	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/19/19 10:23	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/19/19 10:23	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/19/19 10:23	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/19/19 10:23	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/19/19 10:23	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/19/19 10:23	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	04/19/19 10:23	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/19/19 10:23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/19/19 10:23	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/19/19 10:23	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/19/19 10:23	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/19/19 10:23	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/19/19 10:23	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/19/19 10:23	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/19/19 10:23	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/19/19 10:23	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/19/19 10:23	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/19/19 10:23	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/19/19 10:23	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/19/19 10:23	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/19/19 10:23	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/19/19 10:23	
Benzene	ug/kg	<9.2	20.0	04/19/19 10:23	
Bromobenzene	ug/kg	<20.6	50.0	04/19/19 10:23	
Bromochloromethane	ug/kg	<21.4	50.0	04/19/19 10:23	
Bromodichloromethane	ug/kg	<9.8	50.0	04/19/19 10:23	
Bromoform	ug/kg	<19.8	50.0	04/19/19 10:23	
Bromomethane	ug/kg	<69.9	250	04/19/19 10:23	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/19/19 10:23	
Chlorobenzene	ug/kg	<14.8	50.0	04/19/19 10:23	
Chloroethane	ug/kg	<67.0	250	04/19/19 10:23	
Chloroform	ug/kg	<46.4	250	04/19/19 10:23	
Chloromethane	ug/kg	<20.4	50.0	04/19/19 10:23	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/19/19 10:23	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/19/19 10:23	
Dibromochloromethane	ug/kg	<17.9	50.0	04/19/19 10:23	
Dibromomethane	ug/kg	<19.3	50.0	04/19/19 10:23	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/19/19 10:23	
Diisopropyl ether	ug/kg	<17.7	50.0	04/19/19 10:23	
Ethylbenzene	ug/kg	<12.4	50.0	04/19/19 10:23	

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

METHOD BLANK: 1853496 Matrix: Solid  
Associated Lab Samples: 40185923010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	04/19/19 10:23	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/19/19 10:23	
m&p-Xylene	ug/kg	<34.4	100	04/19/19 10:23	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/19/19 10:23	
Methylene Chloride	ug/kg	<16.2	50.0	04/19/19 10:23	
n-Butylbenzene	ug/kg	<10.5	50.0	04/19/19 10:23	
n-Propylbenzene	ug/kg	<11.6	50.0	04/19/19 10:23	
Naphthalene	ug/kg	<40.0	250	04/19/19 10:23	
o-Xylene	ug/kg	<14.0	50.0	04/19/19 10:23	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/19/19 10:23	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/19/19 10:23	
Styrene	ug/kg	<9.0	50.0	04/19/19 10:23	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/19/19 10:23	
Tetrachloroethene	ug/kg	<12.9	50.0	04/19/19 10:23	
Toluene	ug/kg	<11.2	50.0	04/19/19 10:23	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/19/19 10:23	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/19/19 10:23	
Trichloroethene	ug/kg	<23.6	50.0	04/19/19 10:23	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/19/19 10:23	
Vinyl chloride	ug/kg	<21.1	50.0	04/19/19 10:23	
4-Bromofluorobenzene (S)	%	114	54-126	04/19/19 10:23	
Dibromofluoromethane (S)	%	101	57-146	04/19/19 10:23	
Toluene-d8 (S)	%	101	64-134	04/19/19 10:23	

LABORATORY CONTROL SAMPLE: 1853497

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	2500	2310	92	70-130	
1,1,1-Trichloroethane	ug/kg	2500	2340	94	70-132	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2670	107	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2450	98	70-130	
1,1-Dichloroethane	ug/kg	2500	2570	103	70-130	
1,1-Dichloroethene	ug/kg	2500	2480	99	77-126	
1,1-Dichloropropene	ug/kg	2500	2420	97	70-130	
1,2,3-Trichlorobenzene	ug/kg	2500	1890	76	70-130	
1,2,3-Trichloropropane	ug/kg	2500	2780	111	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2070	83	66-130	
1,2,4-Trimethylbenzene	ug/kg	2500	2690	108	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1980	79	54-129	
1,2-Dibromoethane (EDB)	ug/kg	2500	2440	98	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2420	97	70-130	
1,2-Dichloroethane	ug/kg	2500	2700	108	70-134	
1,2-Dichloropropane	ug/kg	2500	2700	108	74-124	
1,3,5-Trimethylbenzene	ug/kg	2500	2690	108	70-130	

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

LABORATORY CONTROL SAMPLE: 1853497

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/kg	2500	2580	103	70-130	
1,3-Dichloropropane	ug/kg	2500	2520	101	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2400	96	70-130	
2,2-Dichloropropane	ug/kg	2500	2230	89	70-130	
2-Chlorotoluene	ug/kg	2500	2680	107	70-130	
4-Chlorotoluene	ug/kg	2500	2560	102	70-130	
Benzene	ug/kg	2500	2600	104	70-130	
Bromobenzene	ug/kg	2500	2690	108	70-130	
Bromochloromethane	ug/kg	2500	2330	93	70-130	
Bromodichloromethane	ug/kg	2500	2580	103	70-130	
Bromoform	ug/kg	2500	2260	90	47-115	
Bromomethane	ug/kg	2500	2370	95	64-165	
Carbon tetrachloride	ug/kg	2500	2160	86	70-131	
Chlorobenzene	ug/kg	2500	2500	100	70-130	
Chloroethane	ug/kg	2500	2690	108	28-197	
Chloroform	ug/kg	2500	2560	102	80-131	
Chloromethane	ug/kg	2500	2420	97	45-118	
cis-1,2-Dichloroethene	ug/kg	2500	2440	97	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2590	103	70-130	
Dibromochloromethane	ug/kg	2500	2270	91	70-130	
Dibromomethane	ug/kg	2500	2700	108	70-130	
Dichlorodifluoromethane	ug/kg	2500	2130	85	38-108	
Diisopropyl ether	ug/kg	2500	2630	105	70-130	
Ethylbenzene	ug/kg	2500	2550	102	82-122	
Hexachloro-1,3-butadiene	ug/kg	2500	2230	89	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2620	105	70-130	
m&p-Xylene	ug/kg	5000	5160	103	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2490	100	70-130	
Methylene Chloride	ug/kg	2500	2710	108	70-130	
n-Butylbenzene	ug/kg	2500	2800	112	70-130	
n-Propylbenzene	ug/kg	2500	2790	112	70-130	
Naphthalene	ug/kg	2500	1870	75	70-130	
o-Xylene	ug/kg	2500	2530	101	70-130	
p-Isopropyltoluene	ug/kg	2500	2620	105	70-130	
sec-Butylbenzene	ug/kg	2500	2670	107	70-130	
Styrene	ug/kg	2500	2800	112	70-130	
tert-Butylbenzene	ug/kg	2500	2620	105	70-130	
Tetrachloroethene	ug/kg	2500	2210	88	70-130	
Toluene	ug/kg	2500	2350	94	80-121	
trans-1,2-Dichloroethene	ug/kg	2500	2410	96	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2320	93	70-130	
Trichloroethene	ug/kg	2500	2480	99	70-130	
Trichlorofluoromethane	ug/kg	2500	2490	100	81-141	
Vinyl chloride	ug/kg	2500	2400	96	68-121	
4-Bromofluorobenzene (S)	%			112	54-126	
Dibromofluoromethane (S)	%			101	57-146	
Toluene-d8 (S)	%			97	64-134	

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1853498		1853499								
Parameter	Units	40185959025		MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
1,1,1-Trichloroethane	ug/kg	<25.0	1300	1300	1300	1140	1220	88	94	64-132	7	20
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1300	1300	1300	1460	1470	112	113	70-132	1	20
1,1,2-Trichloroethane	ug/kg	<25.0	1300	1300	1300	1300	1290	100	99	70-130	1	20
1,1-Dichloroethane	ug/kg	<25.0	1300	1300	1300	1280	1310	99	101	70-130	3	20
1,1-Dichloroethene	ug/kg	<25.0	1300	1300	1300	1170	1320	90	102	65-126	12	21
1,2,4-Trichlorobenzene	ug/kg	<47.6	1300	1300	1300	1120	1150	86	88	66-139	3	20
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1300	1300	1300	1010	1050	78	81	47-146	3	23
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1300	1300	1300	1260	1310	97	101	70-130	5	20
1,2-Dichlorobenzene	ug/kg	<25.0	1300	1300	1300	1270	1330	98	103	70-130	5	20
1,2-Dichloroethane	ug/kg	<25.0	1300	1300	1300	1390	1410	107	109	70-136	2	20
1,2-Dichloropropane	ug/kg	<25.0	1300	1300	1300	1340	1410	104	109	74-124	5	20
1,3-Dichlorobenzene	ug/kg	<25.0	1300	1300	1300	1340	1400	104	108	70-130	4	20
1,4-Dichlorobenzene	ug/kg	<25.0	1300	1300	1300	1280	1330	98	103	70-130	4	20
Benzene	ug/kg	<25.0	1300	1300	1300	1290	1350	99	104	70-130	5	20
Bromodichloromethane	ug/kg	<25.0	1300	1300	1300	1280	1300	98	100	70-130	2	20
Bromoform	ug/kg	<25.0	1300	1300	1300	1110	1170	86	90	47-129	5	20
Bromomethane	ug/kg	<69.9	1300	1300	1300	1290	1310	99	101	41-180	2	20
Carbon tetrachloride	ug/kg	<25.0	1300	1300	1300	1030	1030	79	80	58-133	0	20
Chlorobenzene	ug/kg	<25.0	1300	1300	1300	1300	1360	100	105	70-130	5	20
Chloroethane	ug/kg	<67.0	1300	1300	1300	1370	1440	105	111	28-197	5	20
Chloroform	ug/kg	<46.4	1300	1300	1300	1260	1360	97	105	80-131	8	20
Chloromethane	ug/kg	<25.0	1300	1300	1300	1290	1350	99	104	26-118	5	20
cis-1,2-Dichloroethene	ug/kg	<25.0	1300	1300	1300	1210	1310	93	101	70-130	8	20
cis-1,3-Dichloropropene	ug/kg	<25.0	1300	1300	1300	1310	1320	101	102	70-130	1	20
Dibromochloromethane	ug/kg	<25.0	1300	1300	1300	1100	1160	85	89	67-130	5	20
Dichlorodifluoromethane	ug/kg	<25.0	1300	1300	1300	1180	1280	91	99	12-108	8	29
Ethylbenzene	ug/kg	<25.0	1300	1300	1300	1260	1310	97	101	80-122	4	20
Isopropylbenzene (Cumene)	ug/kg	<25.0	1300	1300	1300	1270	1360	98	105	70-130	7	20
m&p-Xylene	ug/kg	<50.0	2590	2590	2590	2600	2730	100	105	70-130	5	20
Methyl-tert-butyl ether	ug/kg	<25.0	1300	1300	1300	1310	1350	101	104	70-130	3	20
Methylene Chloride	ug/kg	<25.0	1300	1300	1300	1350	1440	104	111	70-130	6	20
o-Xylene	ug/kg	<25.0	1300	1300	1300	1280	1350	99	104	70-130	5	20
Styrene	ug/kg	<25.0	1300	1300	1300	1380	1460	107	112	70-130	5	20
Tetrachloroethene	ug/kg	287	1300	1300	1300	1380	1480	84	92	70-130	7	20
Toluene	ug/kg	<25.0	1300	1300	1300	1210	1230	93	94	80-121	2	20
trans-1,2-Dichloroethene	ug/kg	<25.0	1300	1300	1300	1210	1320	94	102	70-130	8	20
trans-1,3-Dichloropropene	ug/kg	<25.0	1300	1300	1300	1140	1160	88	89	70-130	2	20
Trichloroethene	ug/kg	<25.0	1300	1300	1300	1270	1290	97	98	70-130	1	20
Trichlorofluoromethane	ug/kg	<25.0	1300	1300	1300	1510	1360	116	105	60-141	10	26
Vinyl chloride	ug/kg	<25.0	1300	1300	1300	1260	1320	97	102	46-121	5	20
4-Bromofluorobenzene (S)	%							100	102	54-126		
Dibromofluoromethane (S)	%							87	90	57-146		
Toluene-d8 (S)	%							85	87	64-134		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

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QC Batch: 318697 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40185923001, 40185923002, 40185923003, 40185923004, 40185923005, 40185923006, 40185923007, 40185923008, 40185923009, 40185923011

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METHOD BLANK: 1852007 Matrix: Water  
Associated Lab Samples: 40185923001, 40185923002, 40185923003, 40185923004, 40185923005, 40185923006, 40185923007, 40185923008, 40185923009, 40185923011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/18/19 09:12	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/18/19 09:12	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/18/19 09:12	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/18/19 09:12	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/18/19 09:12	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/18/19 09:12	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/18/19 09:12	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	04/18/19 09:12	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/18/19 09:12	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/18/19 09:12	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/18/19 09:12	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/18/19 09:12	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/18/19 09:12	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/18/19 09:12	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/18/19 09:12	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/18/19 09:12	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/18/19 09:12	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/18/19 09:12	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/18/19 09:12	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/18/19 09:12	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/18/19 09:12	
2-Chlorotoluene	ug/L	<0.93	5.0	04/18/19 09:12	
4-Chlorotoluene	ug/L	<0.76	2.5	04/18/19 09:12	
Benzene	ug/L	<0.25	1.0	04/18/19 09:12	
Bromobenzene	ug/L	<0.24	1.0	04/18/19 09:12	
Bromochloromethane	ug/L	<0.36	5.0	04/18/19 09:12	
Bromodichloromethane	ug/L	<0.36	1.2	04/18/19 09:12	
Bromoform	ug/L	<4.0	13.2	04/18/19 09:12	
Bromomethane	ug/L	<0.97	5.0	04/18/19 09:12	
Carbon tetrachloride	ug/L	<0.17	1.0	04/18/19 09:12	
Chlorobenzene	ug/L	<0.71	2.4	04/18/19 09:12	
Chloroethane	ug/L	<1.3	5.0	04/18/19 09:12	
Chloroform	ug/L	<1.3	5.0	04/18/19 09:12	
Chloromethane	ug/L	<2.2	7.3	04/18/19 09:12	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/18/19 09:12	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/18/19 09:12	
Dibromochloromethane	ug/L	<2.6	8.7	04/18/19 09:12	
Dibromomethane	ug/L	<0.94	3.1	04/18/19 09:12	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/18/19 09:12	
Diisopropyl ether	ug/L	<1.9	6.3	04/18/19 09:12	

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

METHOD BLANK: 1852007

Matrix: Water

Associated Lab Samples: 40185923001, 40185923002, 40185923003, 40185923004, 40185923005, 40185923006, 40185923007, 40185923008, 40185923009, 40185923011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	04/18/19 09:12	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	04/18/19 09:12	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	04/18/19 09:12	
m&p-Xylene	ug/L	<0.47	2.0	04/18/19 09:12	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/18/19 09:12	
Methylene Chloride	ug/L	<0.58	5.0	04/18/19 09:12	
n-Butylbenzene	ug/L	<0.71	2.4	04/18/19 09:12	
n-Propylbenzene	ug/L	<0.81	5.0	04/18/19 09:12	
Naphthalene	ug/L	<1.2	5.0	04/18/19 09:12	
o-Xylene	ug/L	<0.26	1.0	04/18/19 09:12	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/18/19 09:12	
sec-Butylbenzene	ug/L	<0.85	5.0	04/18/19 09:12	
Styrene	ug/L	<0.47	1.6	04/18/19 09:12	
tert-Butylbenzene	ug/L	<0.30	1.0	04/18/19 09:12	
Tetrachloroethene	ug/L	<0.33	1.1	04/18/19 09:12	
Toluene	ug/L	<0.17	5.0	04/18/19 09:12	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	04/18/19 09:12	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/18/19 09:12	
Trichloroethene	ug/L	<0.26	1.0	04/18/19 09:12	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/18/19 09:12	
Vinyl chloride	ug/L	<0.17	1.0	04/18/19 09:12	
4-Bromofluorobenzene (S)	%	83	70-130	04/18/19 09:12	
Dibromofluoromethane (S)	%	97	70-130	04/18/19 09:12	
Toluene-d8 (S)	%	97	70-130	04/18/19 09:12	

LABORATORY CONTROL SAMPLE: 1852008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.9	100	70-130	
1,1,2-Trichloroethane	ug/L	50	51.4	103	70-130	
1,1-Dichloroethane	ug/L	50	48.9	98	73-150	
1,1-Dichloroethene	ug/L	50	46.6	93	73-138	
1,2,4-Trichlorobenzene	ug/L	50	39.5	79	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.8	98	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,2-Dichloroethane	ug/L	50	51.6	103	75-140	
1,2-Dichloropropane	ug/L	50	53.7	107	73-135	
1,3-Dichlorobenzene	ug/L	50	46.8	94	70-130	
1,4-Dichlorobenzene	ug/L	50	49.6	99	70-130	
Benzene	ug/L	50	52.7	105	70-130	
Bromodichloromethane	ug/L	50	52.6	105	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

LABORATORY CONTROL SAMPLE: 1852008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	48.3	97	68-129	
Bromomethane	ug/L	50	45.6	91	18-159	
Carbon tetrachloride	ug/L	50	47.9	96	70-130	
Chlorobenzene	ug/L	50	49.7	99	70-130	
Chloroethane	ug/L	50	44.0	88	53-147	
Chloroform	ug/L	50	51.2	102	74-136	
Chloromethane	ug/L	50	44.1	88	29-115	
cis-1,2-Dichloroethene	ug/L	50	45.8	92	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.1	104	70-130	
Dibromochloromethane	ug/L	50	52.7	105	70-130	
Dichlorodifluoromethane	ug/L	50	39.2	78	10-130	
Ethylbenzene	ug/L	50	53.1	106	80-124	
Isopropylbenzene (Cumene)	ug/L	50	54.4	109	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl-tert-butyl ether	ug/L	50	45.7	91	54-137	
Methylene Chloride	ug/L	50	45.7	91	73-138	
o-Xylene	ug/L	50	53.0	106	70-130	
Styrene	ug/L	50	50.1	100	70-130	
Tetrachloroethene	ug/L	50	49.6	99	70-130	
Toluene	ug/L	50	52.5	105	80-126	
trans-1,2-Dichloroethene	ug/L	50	46.9	94	73-145	
trans-1,3-Dichloropropene	ug/L	50	47.8	96	70-130	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	46.9	94	76-147	
Vinyl chloride	ug/L	50	46.5	93	51-120	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1852396 1852397

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40185893023 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.24	50	50	54.0	55.2	108	110	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	50.3	50.4	101	101	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	52.1	52.7	104	105	70-137	1	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	49.9	50.5	100	101	73-153	1	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	47.1	47.6	94	95	73-138	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	41.4	41.3	83	83	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	46.9	48.1	94	96	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	51.5	49.3	103	99	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	49.5	48.1	99	96	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	51.8	53.1	104	106	75-140	2	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	52.7	54.4	105	109	71-138	3	20	

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Parameter	Units	1852396		1852397		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40185893023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,3-Dichlorobenzene	ug/L	<0.63	50	50	48.7	47.5	97	95	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.9	50.7	102	101	70-130	0	20	
Benzene	ug/L	<0.25	50	50	52.8	53.9	106	108	70-130	2	20	
Bromodichloromethane	ug/L	<0.36	50	50	51.3	52.2	103	104	70-130	2	20	
Bromoform	ug/L	<4.0	50	50	48.8	49.6	98	99	68-129	2	20	
Bromomethane	ug/L	<0.97	50	50	47.9	46.9	96	94	15-170	2	20	
Carbon tetrachloride	ug/L	<0.17	50	50	48.9	49.4	98	99	70-130	1	20	
Chlorobenzene	ug/L	<0.71	50	50	50.0	50.5	100	101	70-130	1	20	
Chloroethane	ug/L	<1.3	50	50	44.6	45.3	89	91	51-148	2	20	
Chloroform	ug/L	<1.3	50	50	51.7	52.6	103	105	74-136	2	20	
Chloromethane	ug/L	<2.2	50	50	44.4	45.3	89	91	23-115	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	46.4	47.3	93	95	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	50.6	52.6	101	105	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	51.8	52.1	104	104	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	38.4	38.6	77	77	10-132	0	20	
Ethylbenzene	ug/L	<0.22	50	50	53.1	53.7	106	107	80-125	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.4	54.6	107	109	70-130	2	20	
m&p-Xylene	ug/L	<0.47	100	100	104	105	104	105	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	46.0	46.9	92	94	51-145	2	20	
Methylene Chloride	ug/L	<0.58	50	50	47.4	47.3	95	95	73-140	0	20	
o-Xylene	ug/L	<0.26	50	50	51.0	53.3	102	107	70-130	4	20	
Styrene	ug/L	<0.47	50	50	49.6	49.5	99	99	70-130	0	20	
Tetrachloroethene	ug/L	<0.33	50	50	49.0	49.4	98	99	70-130	1	20	
Toluene	ug/L	<0.17	50	50	51.6	52.2	103	104	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	47.7	49.2	95	98	73-148	3	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	47.2	47.9	94	96	70-130	1	20	
Trichloroethene	ug/L	<0.26	50	50	53.3	54.2	107	108	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	47.7	47.1	95	94	74-147	1	20	
Vinyl chloride	ug/L	<0.17	50	50	47.3	47.7	95	95	41-129	1	20	
4-Bromofluorobenzene (S)	%						95	96	70-130			
Dibromofluoromethane (S)	%						100	99	70-130			
Toluene-d8 (S)	%						95	95	70-130			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

QC Batch: 319715

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40185923010

SAMPLE DUPLICATE: 1858005

Parameter	Units	40186186006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.2	18.1	0	10	

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## QUALIFIERS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40185923010	TS-MW-17C-SO-2.5-3.5-20190415	EPA 5035/5030B	318952	EPA 8260	318953
40185923001	TS-VAS-001-WG-15-17-20190415	EPA 8260	318697		
40185923002	TS-VAS-001-WG-25-27-20190415	EPA 8260	318697		
40185923003	TS-VAS-001-WG-35-37-20190416	EPA 8260	318697		
40185923004	TS-VAS-001-WG-45-47-20190416	EPA 8260	318697		
40185923005	TS-VAS-001-WG-55-57-20190416	EPA 8260	318697		
40185923006	DUP-01-WG-20190416	EPA 8260	318697		
40185923007	TS-VAS-001-WG-65-67-20190416	EPA 8260	318697		
40185923008	TS-VAS-001-WG-75-77-20190416	EPA 8260	318697		
40185923009	TS-VAS-001-WG-85-87-20190416	EPA 8260	318697		
40185923011	TS-VAS-001-WG-95-97-20190416	EPA 8260	318697		
40185923010	TS-MW-17C-SO-2.5-3.5-20190415	ASTM D2974-87	319715		

### REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **ERM**  
 Branch/Location: **Milwaukee**  
 Project Contact: **Ryan Plath**  
 Phone: **847-848-4500**  
 Project Number: **0411661**  
 Project Name: **Oscar Mayer**  
 Project State: **WI**  
 Sampled By (Print): **Ryan Plath**  
 Sampled By (Sign): *[Signature]*  
 PO #: **WDMR**



# CHAIN OF CUSTODY

Preservation Codes:  
 A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?  
 (YES/NO)  
 PRESERVATION  
 (CODE)\*

V/I/N	Pick Letter	Analyses Requested
N/A	B	VOCs 8260B VOC 8260
No		8260 x Pq Wt

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	ANALYSES REQUESTED
001	TS-VAS-001-WG-15-17	4/15	1552	GW	X
002	TS-VAS-001-WG-25-27-29	4/15	1705		
003	TS-VAS-001-WG-33-35-37	4/16	0920		
004	TS-VAS-001-WG-45-47-50	4/16	0945		
005	TS-VAS-001-WG-55-57-60	4/16	1050		
006	DUP-01-WG-2019	4/16			
007	TS-VAS-001-WG-65-67-70	4/16	1145		
008	TS-VAS-001-WG-75-77-80	4/16	1430		
009	TS-VAS-001-WG-85-87-90	4/16	1530		
010	TS-MW-175-50-2-5	4/15	1015		
011	TS-VAS-001-WG-95-97-	4/16	1635		

Quote #: \_\_\_\_\_  
 Mail To Contact: \_\_\_\_\_  
 Mail To Company: \_\_\_\_\_  
 Mail To Address: \_\_\_\_\_  
 Invoice To Contact: \_\_\_\_\_  
 Invoice To Company: \_\_\_\_\_  
 Invoice To Address: \_\_\_\_\_  
 Invoice To Phone: \_\_\_\_\_  
 CLIENT COMMENTS: \_\_\_\_\_  
 LAB COMMENTS (Lab Use Only): \_\_\_\_\_  
 Profile #: \_\_\_\_\_

Received By: *[Signature]* Date/Time: 04-16-19 1710  
 Received By: *[Signature]* Date/Time: 4/16/19 1700  
 Received By: *[Signature]* Date/Time: 4/17/14 0940  
 Received By: *[Signature]* Date/Time: 4/17/14 0940

Special pricing and release of liability

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Client Name: ERM


Sample Preservation Receipt Form  
 Project # 40185123

All containers needing preservation have been checked and noted below:  Yes  No  N/A  
 Lab Lot# of pH paper: \_\_\_\_\_ Lab Std #/ID of preservation (if pH adjusted): \_\_\_\_\_  
 Initial when completed: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Pace Lab #	Glass	Plastic	Vials				Jars		General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
			DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU							
001																	2.5 / 5 / 10
002																	2.5 / 5 / 10
003																	2.5 / 5 / 10
004																	2.5 / 5 / 10
005																	2.5 / 5 / 10
006																	2.5 / 5 / 10
007																	2.5 / 5 / 10
008																	2.5 / 5 / 10
009																	2.5 / 5 / 10
010																	2.5 / 5 / 10
011																	2.5 / 5 / 10
012																	2.5 / 5 / 10
013																	2.5 / 5 / 10
014																	2.5 / 5 / 10
015																	2.5 / 5 / 10
016																	2.5 / 5 / 10
017																	2.5 / 5 / 10
018																	2.5 / 5 / 10
019																	2.5 / 5 / 10
020																	2.5 / 5 / 10

Exceptions to preservation check:  Vol, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm):  Yes  No  N/A \*If yes look in headspace column


AG1U	BP1U	DG9A	JGFU	SP5T
1 liter amber glass	1 liter plastic unpres	40 mL amber ascorbic	4 oz amber jar unpres	120 mL plastic Na Thiosulfate
AG1H	BP2N	DG9T	WGFU	ZPLC
1 liter amber glass HCL	500 mL plastic HNO3	40 mL amber Na Thio	4 oz clear jar unpres	ziploc bag
AG4S	BP2Z	VG9U	WPFU	GN:
125 mL amber glass H2SO4	500 mL plastic NaOH, Znact	40 mL clear vial unpres	4 oz plastic jar unpres	
AG4U	BP3U	VG9H		
120 mL amber glass unpres	250 mL plastic unpres	40 mL clear vial HCL		
AG5U	BP3C	VG9M		
100 mL amber glass unpres	250 mL plastic NaOH	40 mL clear vial MeOH		
AG2S	BP3N	VG9D		
500 mL amber glass H2SO4	250 mL plastic HNO3	40 mL clear vial DI		
BG3U	BP3S			
250 mL clear glass unpres	250 mL plastic H2SO4			

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 25Apr2018
	Document No.: <b>F-GB-C-031-Rev.07</b>	Issuing Authority: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

**Client Name:** ERM      Project #: \_\_\_\_\_  
**Courier:**  CS Logistics    Fed Ex    Speedee    UPS    Waltco  
 Client    Pace   Other: \_\_\_\_\_

WO#: 40185923



40185923

**Tracking #:** 2450 001617  
**Custody Seal on Cooler/Box Present:**  yes  no    **Seals intact:**  yes  no  
**Custody Seal on Samples Present:**  yes  no    **Seals intact:**  yes  no  
**Packing Material:**  Bubble Wrap    Bubble Bags    None    Other  
**Thermometer Used** SR - NA      **Type of Ice:**  Wet    Blue Dry    None     Samples on ice, cooling process has begun  
**Cooler Temperature**    Uncorr: RDE   ICorr:

**Temp Blank Present:**  yes  no      **Biological Tissue is Frozen:**  yes  no  
 Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C.

**Person examining contents:**  
**Date:** 4-17-19  
**Initials:** JK

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No mail</u> <u>4-17-19 JK</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
<b>Short Hold Time Analysis (&lt;72hr):</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
<b>Rush Turn Around Time Requested:</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: <u>WIS</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

**Client Notification/ Resolution:** If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project Manager Review:** Run for DM      **Date:** 04/17/19

April 29, 2019

Ryan Plath  
ERM, INC.  
700 W. Virginia Street  
Suite 601  
Milwaukee, WI 53204

RE: Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

Dear Ryan Plath:

Enclosed are the analytical results for sample(s) received by the laboratory on April 24, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: David deCourcy-Bower, ERM, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40186349001	TS-VAS-001-WG-165-167-20190420	Water	04/20/19 10:50	04/24/19 09:26
40186349002	TS-VAS-001-WG-175-177-20190420	Water	04/20/19 13:50	04/24/19 09:26
40186349003	TS-VAS-001-WG-188-190-20190422	Water	04/22/19 10:05	04/24/19 09:26
40186349004	TS-VAS-001-WG-198-200-20190422	Water	04/22/19 12:10	04/24/19 09:26
40186349005	FB-01-WQ-20190422	Water	04/22/19 11:40	04/24/19 09:26
40186349006	TS-VAS-001-WG-208-210-20190422	Water	04/22/19 15:10	04/24/19 09:26
40186349007	TS-VAS-001-WG-218-220-20190422	Water	04/22/19 17:00	04/24/19 09:26
40186349008	TS-VAS-001-WG-228-230-20190423	Water	04/23/19 09:15	04/24/19 09:26

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### SAMPLE ANALYTE COUNT

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40186349001	TS-VAS-001-WG-165-167-20190420	EPA 8260	HNW	64	PASI-G
40186349002	TS-VAS-001-WG-175-177-20190420	EPA 8260	HNW	64	PASI-G
40186349003	TS-VAS-001-WG-188-190-20190422	EPA 8260	HNW	64	PASI-G
40186349004	TS-VAS-001-WG-198-200-20190422	EPA 8260	HNW	64	PASI-G
40186349005	FB-01-WQ-20190422	EPA 8260	HNW	64	PASI-G
40186349006	TS-VAS-001-WG-208-210-20190422	EPA 8260	HNW	64	PASI-G
40186349007	TS-VAS-001-WG-218-220-20190422	EPA 8260	HNW	64	PASI-G
40186349008	TS-VAS-001-WG-228-230-20190423	EPA 8260	HNW	64	PASI-G

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

Sample: **TS-VAS-001-WG-165-167-20190420** Lab ID: **40186349001** Collected: 04/20/19 10:50 Received: 04/24/19 09:26 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 01:31	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/26/19 01:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 01:31	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/26/19 01:31	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 01:31	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/26/19 01:31	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/26/19 01:31	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/26/19 01:31	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/26/19 01:31	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/26/19 01:31	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/26/19 01:31	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/26/19 01:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/26/19 01:31	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 01:31	95-50-1	
1,2-Dichloroethane	211	ug/L	1.0	0.28	1		04/26/19 01:31	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/26/19 01:31	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/26/19 01:31	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/26/19 01:31	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/26/19 01:31	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/26/19 01:31	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/26/19 01:31	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/26/19 01:31	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/26/19 01:31	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/26/19 01:31	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/26/19 01:31	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/26/19 01:31	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/26/19 01:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/26/19 01:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/26/19 01:31	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/26/19 01:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 01:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/26/19 01:31	75-00-3	
Chloroform	1.8J	ug/L	5.0	1.3	1		04/26/19 01:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/26/19 01:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/26/19 01:31	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/26/19 01:31	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/26/19 01:31	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/26/19 01:31	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/26/19 01:31	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/26/19 01:31	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/26/19 01:31	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/26/19 01:31	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/26/19 01:31	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/26/19 01:31	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/26/19 01:31	100-42-5	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

**Sample:** TS-VAS-001-WG-165-167-20190420    **Lab ID:** 40186349001    Collected: 04/20/19 10:50    Received: 04/24/19 09:26    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/26/19 01:31	127-18-4	
Toluene	0.30J	ug/L	5.0	0.17	1		04/26/19 01:31	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/26/19 01:31	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/26/19 01:31	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/26/19 01:31	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/26/19 01:31	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/26/19 01:31	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/26/19 01:31	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 01:31	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/26/19 01:31	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/26/19 01:31	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/26/19 01:31	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/26/19 01:31	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/26/19 01:31	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/26/19 01:31	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/26/19 01:31	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/26/19 01:31	460-00-4	HS,pH
Dibromofluoromethane (S)	102	%	70-130		1		04/26/19 01:31	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/26/19 01:31	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

Sample: **TS-VAS-001-WG-175-177-20190420** Lab ID: **40186349002** Collected: 04/20/19 13:50 Received: 04/24/19 09:26 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 01:53	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/26/19 01:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 01:53	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/26/19 01:53	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 01:53	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/26/19 01:53	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/26/19 01:53	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/26/19 01:53	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/26/19 01:53	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/26/19 01:53	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/26/19 01:53	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/26/19 01:53	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/26/19 01:53	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 01:53	95-50-1	
1,2-Dichloroethane	93.8	ug/L	1.0	0.28	1		04/26/19 01:53	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/26/19 01:53	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/26/19 01:53	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/26/19 01:53	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/26/19 01:53	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/26/19 01:53	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/26/19 01:53	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/26/19 01:53	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/26/19 01:53	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/26/19 01:53	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/26/19 01:53	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/26/19 01:53	74-97-5	
Bromodichloromethane	0.64J	ug/L	1.2	0.36	1		04/26/19 01:53	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/26/19 01:53	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/26/19 01:53	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/26/19 01:53	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 01:53	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/26/19 01:53	75-00-3	
Chloroform	1.6J	ug/L	5.0	1.3	1		04/26/19 01:53	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/26/19 01:53	74-87-3	
Dibromochloromethane	3.4J	ug/L	8.7	2.6	1		04/26/19 01:53	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/26/19 01:53	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/26/19 01:53	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/26/19 01:53	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/26/19 01:53	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/26/19 01:53	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/26/19 01:53	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/26/19 01:53	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/26/19 01:53	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/26/19 01:53	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/26/19 01:53	100-42-5	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

**Sample:** TS-VAS-001-WG-175-177-20190420    **Lab ID:** 40186349002    Collected: 04/20/19 13:50    Received: 04/24/19 09:26    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/26/19 01:53	127-18-4	
Toluene	0.43J	ug/L	5.0	0.17	1		04/26/19 01:53	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/26/19 01:53	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/26/19 01:53	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/26/19 01:53	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/26/19 01:53	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/26/19 01:53	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/26/19 01:53	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 01:53	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/26/19 01:53	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/26/19 01:53	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/26/19 01:53	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/26/19 01:53	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/26/19 01:53	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/26/19 01:53	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/26/19 01:53	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/26/19 01:53	460-00-4	HS,pH
Dibromofluoromethane (S)	100	%	70-130		1		04/26/19 01:53	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/26/19 01:53	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

Sample: **TS-VAS-001-WG-188-190-20190422** Lab ID: **40186349003** Collected: 04/22/19 10:05 Received: 04/24/19 09:26 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 02:16	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/26/19 02:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 02:16	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/26/19 02:16	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 02:16	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/26/19 02:16	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/26/19 02:16	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/26/19 02:16	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/26/19 02:16	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/26/19 02:16	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/26/19 02:16	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/26/19 02:16	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/26/19 02:16	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 02:16	95-50-1	
1,2-Dichloroethane	5.1	ug/L	1.0	0.28	1		04/26/19 02:16	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/26/19 02:16	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/26/19 02:16	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/26/19 02:16	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/26/19 02:16	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/26/19 02:16	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/26/19 02:16	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/26/19 02:16	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/26/19 02:16	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/26/19 02:16	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/26/19 02:16	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/26/19 02:16	74-97-5	
Bromodichloromethane	1.7	ug/L	1.2	0.36	1		04/26/19 02:16	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/26/19 02:16	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/26/19 02:16	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/26/19 02:16	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 02:16	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/26/19 02:16	75-00-3	
Chloroform	1.6J	ug/L	5.0	1.3	1		04/26/19 02:16	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/26/19 02:16	74-87-3	
Dibromochloromethane	4.1J	ug/L	8.7	2.6	1		04/26/19 02:16	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/26/19 02:16	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/26/19 02:16	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/26/19 02:16	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/26/19 02:16	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/26/19 02:16	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/26/19 02:16	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/26/19 02:16	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/26/19 02:16	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/26/19 02:16	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/26/19 02:16	100-42-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

**Sample:** TS-VAS-001-WG-188-190-20190422    **Lab ID:** 40186349003    Collected: 04/22/19 10:05    Received: 04/24/19 09:26    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<b>0.49J</b>	ug/L	1.1	0.33	1		04/26/19 02:16	127-18-4	
Toluene	<b>&lt;0.17</b>	ug/L	5.0	0.17	1		04/26/19 02:16	108-88-3	
Trichloroethene	<b>&lt;0.26</b>	ug/L	1.0	0.26	1		04/26/19 02:16	79-01-6	
Trichlorofluoromethane	<b>&lt;0.21</b>	ug/L	1.0	0.21	1		04/26/19 02:16	75-69-4	
Vinyl chloride	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		04/26/19 02:16	75-01-4	
cis-1,2-Dichloroethene	<b>&lt;0.27</b>	ug/L	1.0	0.27	1		04/26/19 02:16	156-59-2	
cis-1,3-Dichloropropene	<b>&lt;3.6</b>	ug/L	12.1	3.6	1		04/26/19 02:16	10061-01-5	
m&p-Xylene	<b>&lt;0.47</b>	ug/L	2.0	0.47	1		04/26/19 02:16	179601-23-1	
n-Butylbenzene	<b>&lt;0.71</b>	ug/L	2.4	0.71	1		04/26/19 02:16	104-51-8	
n-Propylbenzene	<b>&lt;0.81</b>	ug/L	5.0	0.81	1		04/26/19 02:16	103-65-1	
o-Xylene	<b>&lt;0.26</b>	ug/L	1.0	0.26	1		04/26/19 02:16	95-47-6	
p-Isopropyltoluene	<b>&lt;0.80</b>	ug/L	2.7	0.80	1		04/26/19 02:16	99-87-6	
sec-Butylbenzene	<b>&lt;0.85</b>	ug/L	5.0	0.85	1		04/26/19 02:16	135-98-8	
tert-Butylbenzene	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		04/26/19 02:16	98-06-6	
trans-1,2-Dichloroethene	<b>&lt;1.1</b>	ug/L	3.6	1.1	1		04/26/19 02:16	156-60-5	
trans-1,3-Dichloropropene	<b>&lt;4.4</b>	ug/L	14.6	4.4	1		04/26/19 02:16	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/26/19 02:16	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/26/19 02:16	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/26/19 02:16	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

Sample: **TS-VAS-001-WG-198-200-20190422** Lab ID: **40186349004** Collected: 04/22/19 12:10 Received: 04/24/19 09:26 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 02:38	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/26/19 02:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 02:38	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/26/19 02:38	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 02:38	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/26/19 02:38	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/26/19 02:38	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/26/19 02:38	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/26/19 02:38	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/26/19 02:38	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/26/19 02:38	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/26/19 02:38	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/26/19 02:38	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 02:38	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 02:38	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/26/19 02:38	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/26/19 02:38	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/26/19 02:38	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/26/19 02:38	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/26/19 02:38	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/26/19 02:38	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/26/19 02:38	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/26/19 02:38	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/26/19 02:38	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/26/19 02:38	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/26/19 02:38	74-97-5	
Bromodichloromethane	2.7	ug/L	1.2	0.36	1		04/26/19 02:38	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/26/19 02:38	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/26/19 02:38	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/26/19 02:38	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 02:38	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/26/19 02:38	75-00-3	
Chloroform	2.5J	ug/L	5.0	1.3	1		04/26/19 02:38	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/26/19 02:38	74-87-3	
Dibromochloromethane	4.9J	ug/L	8.7	2.6	1		04/26/19 02:38	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/26/19 02:38	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/26/19 02:38	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/26/19 02:38	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/26/19 02:38	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/26/19 02:38	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/26/19 02:38	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/26/19 02:38	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/26/19 02:38	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/26/19 02:38	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/26/19 02:38	100-42-5	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

**Sample:** TS-VAS-001-WG-198-200-20190422    **Lab ID:** 40186349004    Collected: 04/22/19 12:10    Received: 04/24/19 09:26    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	0.42J	ug/L	1.1	0.33	1		04/26/19 02:38	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/26/19 02:38	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/26/19 02:38	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/26/19 02:38	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/26/19 02:38	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/26/19 02:38	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/26/19 02:38	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/26/19 02:38	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 02:38	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/26/19 02:38	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/26/19 02:38	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/26/19 02:38	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/26/19 02:38	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/26/19 02:38	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/26/19 02:38	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/26/19 02:38	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/26/19 02:38	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/26/19 02:38	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/26/19 02:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

Sample: **FB-01-WQ-20190422** Lab ID: **40186349005** Collected: 04/22/19 11:40 Received: 04/24/19 09:26 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 04:08	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/26/19 04:08	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 04:08	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/26/19 04:08	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 04:08	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/26/19 04:08	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/26/19 04:08	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/26/19 04:08	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/26/19 04:08	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/26/19 04:08	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/26/19 04:08	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/26/19 04:08	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/26/19 04:08	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 04:08	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 04:08	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/26/19 04:08	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/26/19 04:08	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/26/19 04:08	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/26/19 04:08	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/26/19 04:08	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/26/19 04:08	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/26/19 04:08	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/26/19 04:08	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/26/19 04:08	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/26/19 04:08	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/26/19 04:08	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/26/19 04:08	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/26/19 04:08	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/26/19 04:08	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/26/19 04:08	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 04:08	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/26/19 04:08	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/26/19 04:08	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/26/19 04:08	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/26/19 04:08	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/26/19 04:08	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/26/19 04:08	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/26/19 04:08	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/26/19 04:08	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/26/19 04:08	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/26/19 04:08	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/26/19 04:08	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/26/19 04:08	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/26/19 04:08	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/26/19 04:08	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/26/19 04:08	127-18-4	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

**Sample: FB-01-WQ-20190422**      **Lab ID: 40186349005**      Collected: 04/22/19 11:40      Received: 04/24/19 09:26      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		04/26/19 04:08	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/26/19 04:08	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/26/19 04:08	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/26/19 04:08	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/26/19 04:08	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/26/19 04:08	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/26/19 04:08	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 04:08	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/26/19 04:08	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/26/19 04:08	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/26/19 04:08	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/26/19 04:08	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/26/19 04:08	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/26/19 04:08	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/26/19 04:08	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/26/19 04:08	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/26/19 04:08	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		04/26/19 04:08	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

**Sample:** TS-VAS-001-WG-208-210-20190422    **Lab ID:** 40186349006    Collected: 04/22/19 15:10    Received: 04/24/19 09:26    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 03:01	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/26/19 03:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 03:01	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/26/19 03:01	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 03:01	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/26/19 03:01	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/26/19 03:01	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/26/19 03:01	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/26/19 03:01	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/26/19 03:01	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/26/19 03:01	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/26/19 03:01	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/26/19 03:01	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 03:01	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 03:01	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/26/19 03:01	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/26/19 03:01	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/26/19 03:01	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/26/19 03:01	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/26/19 03:01	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/26/19 03:01	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/26/19 03:01	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/26/19 03:01	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/26/19 03:01	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/26/19 03:01	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/26/19 03:01	74-97-5	
Bromodichloromethane	2.3	ug/L	1.2	0.36	1		04/26/19 03:01	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/26/19 03:01	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/26/19 03:01	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/26/19 03:01	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 03:01	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/26/19 03:01	75-00-3	
Chloroform	2.1J	ug/L	5.0	1.3	1		04/26/19 03:01	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/26/19 03:01	74-87-3	
Dibromochloromethane	4.5J	ug/L	8.7	2.6	1		04/26/19 03:01	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/26/19 03:01	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/26/19 03:01	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/26/19 03:01	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/26/19 03:01	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/26/19 03:01	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/26/19 03:01	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/26/19 03:01	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/26/19 03:01	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/26/19 03:01	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/26/19 03:01	100-42-5	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

**Sample:** TS-VAS-001-WG-208-210-20190422    **Lab ID:** 40186349006    Collected: 04/22/19 15:10    Received: 04/24/19 09:26    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/26/19 03:01	127-18-4	
Toluene	0.20J	ug/L	5.0	0.17	1		04/26/19 03:01	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/26/19 03:01	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/26/19 03:01	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/26/19 03:01	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/26/19 03:01	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/26/19 03:01	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/26/19 03:01	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 03:01	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/26/19 03:01	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/26/19 03:01	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/26/19 03:01	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/26/19 03:01	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/26/19 03:01	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/26/19 03:01	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/26/19 03:01	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/26/19 03:01	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/26/19 03:01	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/26/19 03:01	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

Sample: **TS-VAS-001-WG-218-220-20190422** Lab ID: **40186349007** Collected: 04/22/19 17:00 Received: 04/24/19 09:26 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 03:23	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/26/19 03:23	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 03:23	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/26/19 03:23	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 03:23	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/26/19 03:23	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/26/19 03:23	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/26/19 03:23	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/26/19 03:23	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/26/19 03:23	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/26/19 03:23	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/26/19 03:23	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/26/19 03:23	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 03:23	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 03:23	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/26/19 03:23	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/26/19 03:23	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/26/19 03:23	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/26/19 03:23	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/26/19 03:23	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/26/19 03:23	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/26/19 03:23	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/26/19 03:23	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/26/19 03:23	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/26/19 03:23	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/26/19 03:23	74-97-5	
Bromodichloromethane	2.1	ug/L	1.2	0.36	1		04/26/19 03:23	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/26/19 03:23	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/26/19 03:23	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/26/19 03:23	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 03:23	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/26/19 03:23	75-00-3	
Chloroform	1.9J	ug/L	5.0	1.3	1		04/26/19 03:23	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/26/19 03:23	74-87-3	
Dibromochloromethane	4.4J	ug/L	8.7	2.6	1		04/26/19 03:23	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/26/19 03:23	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/26/19 03:23	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/26/19 03:23	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/26/19 03:23	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/26/19 03:23	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/26/19 03:23	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/26/19 03:23	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/26/19 03:23	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/26/19 03:23	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/26/19 03:23	100-42-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

**Sample:** TS-VAS-001-WG-218-220-20190422    **Lab ID:** 40186349007    Collected: 04/22/19 17:00    Received: 04/24/19 09:26    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	0.67J	ug/L	1.1	0.33	1		04/26/19 03:23	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/26/19 03:23	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/26/19 03:23	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/26/19 03:23	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/26/19 03:23	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/26/19 03:23	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/26/19 03:23	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/26/19 03:23	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 03:23	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/26/19 03:23	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/26/19 03:23	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/26/19 03:23	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/26/19 03:23	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/26/19 03:23	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/26/19 03:23	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/26/19 03:23	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/26/19 03:23	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/26/19 03:23	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/26/19 03:23	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

Sample: **TS-VAS-001-WG-228-230-20190423** Lab ID: **40186349008** Collected: 04/23/19 09:15 Received: 04/24/19 09:26 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 03:46	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/26/19 03:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 03:46	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/26/19 03:46	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/26/19 03:46	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/26/19 03:46	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/26/19 03:46	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/26/19 03:46	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/26/19 03:46	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/26/19 03:46	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/26/19 03:46	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/26/19 03:46	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/26/19 03:46	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 03:46	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/26/19 03:46	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/26/19 03:46	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/26/19 03:46	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/26/19 03:46	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/26/19 03:46	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/26/19 03:46	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/26/19 03:46	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/26/19 03:46	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/26/19 03:46	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/26/19 03:46	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/26/19 03:46	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/26/19 03:46	74-97-5	
Bromodichloromethane	2.5	ug/L	1.2	0.36	1		04/26/19 03:46	75-27-4	
Bromoform	5.5J	ug/L	13.2	4.0	1		04/26/19 03:46	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/26/19 03:46	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/26/19 03:46	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 03:46	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/26/19 03:46	75-00-3	
Chloroform	2.4J	ug/L	5.0	1.3	1		04/26/19 03:46	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/26/19 03:46	74-87-3	
Dibromochloromethane	4.8J	ug/L	8.7	2.6	1		04/26/19 03:46	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/26/19 03:46	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/26/19 03:46	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/26/19 03:46	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/26/19 03:46	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/26/19 03:46	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/26/19 03:46	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/26/19 03:46	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/26/19 03:46	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/26/19 03:46	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/26/19 03:46	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

**Sample:** TS-VAS-001-WG-228-230-20190423    **Lab ID:** 40186349008    Collected: 04/23/19 09:15    Received: 04/24/19 09:26    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/26/19 03:46	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/26/19 03:46	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/26/19 03:46	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/26/19 03:46	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/26/19 03:46	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/26/19 03:46	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/26/19 03:46	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/26/19 03:46	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/26/19 03:46	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/26/19 03:46	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/26/19 03:46	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/26/19 03:46	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/26/19 03:46	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/26/19 03:46	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/26/19 03:46	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/26/19 03:46	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/26/19 03:46	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/26/19 03:46	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/26/19 03:46	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

QC Batch: 319392

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 40186349001, 40186349002, 40186349003, 40186349004, 40186349005, 40186349006, 40186349007, 40186349008

METHOD BLANK: 1855780

Matrix: Water

Associated Lab Samples: 40186349001, 40186349002, 40186349003, 40186349004, 40186349005, 40186349006, 40186349007, 40186349008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/25/19 17:38	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/25/19 17:38	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/25/19 17:38	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/25/19 17:38	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/25/19 17:38	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/25/19 17:38	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/25/19 17:38	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	04/25/19 17:38	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/25/19 17:38	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/25/19 17:38	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/25/19 17:38	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/25/19 17:38	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/25/19 17:38	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/25/19 17:38	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/25/19 17:38	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/25/19 17:38	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/25/19 17:38	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/25/19 17:38	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/25/19 17:38	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/25/19 17:38	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/25/19 17:38	
2-Chlorotoluene	ug/L	<0.93	5.0	04/25/19 17:38	
4-Chlorotoluene	ug/L	<0.76	2.5	04/25/19 17:38	
Benzene	ug/L	<0.25	1.0	04/25/19 17:38	
Bromobenzene	ug/L	<0.24	1.0	04/25/19 17:38	
Bromochloromethane	ug/L	<0.36	5.0	04/25/19 17:38	
Bromodichloromethane	ug/L	<0.36	1.2	04/25/19 17:38	
Bromoform	ug/L	<4.0	13.2	04/25/19 17:38	
Bromomethane	ug/L	<0.97	5.0	04/25/19 17:38	
Carbon tetrachloride	ug/L	<0.17	1.0	04/25/19 17:38	
Chlorobenzene	ug/L	<0.71	2.4	04/25/19 17:38	
Chloroethane	ug/L	<1.3	5.0	04/25/19 17:38	
Chloroform	ug/L	<1.3	5.0	04/25/19 17:38	
Chloromethane	ug/L	<2.2	7.3	04/25/19 17:38	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/25/19 17:38	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/25/19 17:38	
Dibromochloromethane	ug/L	<2.6	8.7	04/25/19 17:38	
Dibromomethane	ug/L	<0.94	3.1	04/25/19 17:38	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/25/19 17:38	
Diisopropyl ether	ug/L	<1.9	6.3	04/25/19 17:38	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

METHOD BLANK: 1855780

Matrix: Water

Associated Lab Samples: 40186349001, 40186349002, 40186349003, 40186349004, 40186349005, 40186349006, 40186349007, 40186349008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	04/25/19 17:38	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	04/25/19 17:38	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	04/25/19 17:38	
m&p-Xylene	ug/L	<0.47	2.0	04/25/19 17:38	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/25/19 17:38	
Methylene Chloride	ug/L	<0.58	5.0	04/25/19 17:38	
n-Butylbenzene	ug/L	<0.71	2.4	04/25/19 17:38	
n-Propylbenzene	ug/L	<0.81	5.0	04/25/19 17:38	
Naphthalene	ug/L	<1.2	5.0	04/25/19 17:38	
o-Xylene	ug/L	<0.26	1.0	04/25/19 17:38	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/25/19 17:38	
sec-Butylbenzene	ug/L	<0.85	5.0	04/25/19 17:38	
Styrene	ug/L	<0.47	1.6	04/25/19 17:38	
tert-Butylbenzene	ug/L	<0.30	1.0	04/25/19 17:38	
Tetrachloroethene	ug/L	<0.33	1.1	04/25/19 17:38	
Toluene	ug/L	<0.17	5.0	04/25/19 17:38	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	04/25/19 17:38	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/25/19 17:38	
Trichloroethene	ug/L	<0.26	1.0	04/25/19 17:38	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/25/19 17:38	
Vinyl chloride	ug/L	<0.17	1.0	04/25/19 17:38	
4-Bromofluorobenzene (S)	%	96	70-130	04/25/19 17:38	
Dibromofluoromethane (S)	%	102	70-130	04/25/19 17:38	
Toluene-d8 (S)	%	98	70-130	04/25/19 17:38	

LABORATORY CONTROL SAMPLE: 1855781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.3	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.8	96	70-130	
1,1,2-Trichloroethane	ug/L	50	50.5	101	70-130	
1,1-Dichloroethane	ug/L	50	48.7	97	73-150	
1,1-Dichloroethene	ug/L	50	47.8	96	73-138	
1,2,4-Trichlorobenzene	ug/L	50	48.2	96	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	39.9	80	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	49.4	99	70-130	
1,2-Dichlorobenzene	ug/L	50	49.1	98	70-130	
1,2-Dichloroethane	ug/L	50	49.9	100	75-140	
1,2-Dichloropropane	ug/L	50	51.7	103	73-135	
1,3-Dichlorobenzene	ug/L	50	49.5	99	70-130	
1,4-Dichlorobenzene	ug/L	50	49.1	98	70-130	
Benzene	ug/L	50	52.8	106	70-130	
Bromodichloromethane	ug/L	50	47.7	95	70-130	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

LABORATORY CONTROL SAMPLE: 1855781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	40.1	80	68-129	
Bromomethane	ug/L	50	20.8	42	18-159	
Carbon tetrachloride	ug/L	50	45.4	91	70-130	
Chlorobenzene	ug/L	50	50.3	101	70-130	
Chloroethane	ug/L	50	44.2	88	53-147	
Chloroform	ug/L	50	51.3	103	74-136	
Chloromethane	ug/L	50	26.1	52	29-115	
cis-1,2-Dichloroethene	ug/L	50	47.2	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.9	92	70-130	
Dibromochloromethane	ug/L	50	43.6	87	70-130	
Dichlorodifluoromethane	ug/L	50	30.2	60	10-130	
Ethylbenzene	ug/L	50	51.7	103	80-124	
Isopropylbenzene (Cumene)	ug/L	50	51.8	104	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	42.0	84	54-137	
Methylene Chloride	ug/L	50	47.3	95	73-138	
o-Xylene	ug/L	50	51.1	102	70-130	
Styrene	ug/L	50	50.4	101	70-130	
Tetrachloroethene	ug/L	50	51.4	103	70-130	
Toluene	ug/L	50	49.8	100	80-126	
trans-1,2-Dichloroethene	ug/L	50	47.3	95	73-145	
trans-1,3-Dichloropropene	ug/L	50	39.5	79	70-130	
Trichloroethene	ug/L	50	51.9	104	70-130	
Trichlorofluoromethane	ug/L	50	50.1	100	76-147	
Vinyl chloride	ug/L	50	38.6	77	51-120	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1856443 1856444

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40186308001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.24	50	50	48.5	50.4	97	101	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	48.3	49.4	97	99	70-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.7	52.6	101	105	70-137	4	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	47.9	49.5	96	99	73-153	3	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	47.1	49.1	94	98	73-138	4	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	49.2	50.4	98	101	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	40.8	41.7	82	83	58-129	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	49.8	51.4	100	103	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	49.4	50.8	99	102	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	48.8	50.3	98	101	75-140	3	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	51.2	52.4	102	105	71-138	2	20	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

Parameter	Units	1856443		1856444		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40186308001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,3-Dichlorobenzene	ug/L	<0.63	50	50	49.7	51.9	99	104	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	49.0	51.3	98	103	70-130	5	20	
Benzene	ug/L	<0.25	50	50	51.5	53.5	103	107	70-130	4	20	
Bromodichloromethane	ug/L	<0.36	50	50	48.5	50.3	97	101	70-130	4	20	
Bromoform	ug/L	<4.0	50	50	41.0	42.0	82	84	68-129	2	20	
Bromomethane	ug/L	<0.97	50	50	21.3	23.9	43	48	15-170	11	20	
Carbon tetrachloride	ug/L	<0.17	50	50	45.4	47.2	91	94	70-130	4	20	
Chlorobenzene	ug/L	<0.71	50	50	51.3	52.6	103	105	70-130	2	20	
Chloroethane	ug/L	<1.3	50	50	43.3	46.2	87	92	51-148	6	20	
Chloroform	ug/L	<1.3	50	50	50.3	51.8	101	104	74-136	3	20	
Chloromethane	ug/L	<2.2	50	50	26.0	26.5	52	53	23-115	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	46.4	48.3	93	97	70-131	4	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	46.3	48.0	93	96	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	44.4	46.2	89	92	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	28.9	29.8	58	60	10-132	3	20	
Ethylbenzene	ug/L	<0.22	50	50	51.9	53.9	104	108	80-125	4	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	52.0	54.4	104	109	70-130	4	20	
m&p-Xylene	ug/L	<0.47	100	100	104	108	104	108	70-130	4	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	41.4	42.2	83	84	51-145	2	20	
Methylene Chloride	ug/L	<0.58	50	50	46.1	48.2	92	96	73-140	5	20	
o-Xylene	ug/L	<0.26	50	50	51.8	53.5	104	107	70-130	3	20	
Styrene	ug/L	<0.47	50	50	50.5	52.5	101	105	70-130	4	20	
Tetrachloroethene	ug/L	<0.33	50	50	51.8	53.2	104	106	70-130	3	20	
Toluene	ug/L	<0.17	50	50	50.3	52.2	101	104	80-131	4	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	46.3	48.1	93	96	73-148	4	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	40.1	41.5	80	83	70-130	3	20	
Trichloroethene	ug/L	<0.26	50	50	52.1	54.0	104	108	70-130	4	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	49.1	50.8	98	102	74-147	4	20	
Vinyl chloride	ug/L	<0.17	50	50	38.2	39.8	76	80	41-129	4	20	
4-Bromofluorobenzene (S)	%						99	98	70-130			
Dibromofluoromethane (S)	%						102	102	70-130			
Toluene-d8 (S)	%						98	98	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40186349

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 0441161 OSCAR MAYER

Pace Project No.: 40186349

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40186349001	TS-VAS-001-WG-165-167-20190420	EPA 8260	319392		
40186349002	TS-VAS-001-WG-175-177-20190420	EPA 8260	319392		
40186349003	TS-VAS-001-WG-188-190-20190422	EPA 8260	319392		
40186349004	TS-VAS-001-WG-198-200-20190422	EPA 8260	319392		
40186349005	FB-01-WQ-20190422	EPA 8260	319392		
40186349006	TS-VAS-001-WG-208-210-20190422	EPA 8260	319392		
40186349007	TS-VAS-001-WG-218-220-20190422	EPA 8260	319392		
40186349008	TS-VAS-001-WG-228-230-20190423	EPA 8260	319392		

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Face Analytical - ECCS Division  
2525 Advance Road  
Madison, WI 53718  
608-221-8700 (phone)  
608-221-4889 (fax)

*JK*

**CHAIN OF CUSTODY**

No. 10440

Page: 1

401816349

Project Number: 0441161 PO Number: \_\_\_\_\_

Project Name: Dexter Meyer Preservation Codes: \_\_\_\_\_

Project Location (City, State): Madison, WI Analyses Requested: \_\_\_\_\_

Turn Around (check one):  Normal  Rush

If Rush, Report Due Date: \_\_\_\_\_

Sampled By (Print): Ryan Pletch

Sample Description	Collection		Matrix	Total # of Containers	Preservation Codes	Analysis Requested	Report To:	Company:	Address 1:	Address 2:	E-mail Address:	Invoice To:	Company:	Address 1:	Address 2:	Comments	Lab ID	Lab Receipt Time
	Date	Time																
<u>TS-VAS-001-WG-185-162-2019 0418</u>	<u>4/20/19</u>	<u>1050</u>	<u>GW</u>	<u>3</u>			<u>Ryan Pletch</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>
<u>TS-VAS-001-WG-175-177-2019 0420</u>	<u>4/20/19</u>	<u>1350</u>	<u>GW</u>	<u>3</u>			<u>Ryan Pletch</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>
<u>TS-VAS-001-WG-188-195-2019 0422</u>	<u>4/22/19</u>	<u>1005</u>	<u>GW</u>	<u>3</u>			<u>Ryan Pletch</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>
<u>TS-VAS-001-WG-198-200-2019 0422</u>	<u>4/22/19</u>	<u>1210</u>	<u>GW</u>	<u>3</u>			<u>Ryan Pletch</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>
<u>FB-01-WG-2019 0422</u>	<u>4/22/19</u>	<u>1140</u>	<u>GW</u>	<u>3</u>			<u>Ryan Pletch</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>
<u>TS-VAS-001-WG-208-210-2019 0422</u>	<u>4/22/19</u>	<u>1516</u>	<u>GW</u>	<u>3</u>			<u>Ryan Pletch</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>
<u>TS-VAS-001-WG-208-220-2019 0422</u>	<u>4/22/19</u>	<u>1700</u>	<u>GW</u>	<u>3</u>			<u>Ryan Pletch</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>
<u>TS-VAS-001-WG-225-230-2019 0423</u>	<u>4/23/19</u>	<u>915</u>	<u>GW</u>	<u>3</u>			<u>Ryan Pletch</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>	<u>ERM</u>

Relinquished By: DAWN DA COSTA 7-1301ER Date: 4-23-19 Time: 16:35 Received By: [Signature] Date: 04/23/19 Time: 16:35

Reinquinshed By: [Signature] Date: 04/23/19 Time: 16:35 Received By: [Signature] Date: 04/23/19 Time: 16:35

Matrix Codes: A=None B=HCl C=H<sub>2</sub>SO<sub>4</sub> D=HNO<sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)

Other Comments: \_\_\_\_\_

Shipped Via: \_\_\_\_\_ Receipt Temp: R20 Thermometer #/ Exp. Date: \_\_\_\_\_

Temp Blank:  Y  N

*C S Logistics 4/24/19 0926 All Barre 4/24/19 0926*



# Sample Preservation Receipt Form

F A S E Analytical Services, L.L.C.  
1241 Bellevue Street, Suite  
Green Bay, WI 54301

Client Name: Rae Walker Project # 40180349

All containers needing preservation have been checked and noted below:  Yes  No  N/A **\*If yes look in headspace column**  
 Lab Lot# of pH paper: \_\_\_\_\_ Lab Std #ID of preservation (if pH adjusted): \_\_\_\_\_  
 Initial when completed: \_\_\_\_\_ Date/ Time: \_\_\_\_\_

Page Lab #	Glass			Plastic			Vials			Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)				
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T								VG9U	VG9H	VG9M	VG9D
001																										2.5 / 5 / 10
002																										2.5 / 5 / 10
003																										2.5 / 5 / 10
004																										2.5 / 5 / 10
005																										2.5 / 5 / 10
006																										2.5 / 5 / 10
007																										2.5 / 5 / 10
008																										2.5 / 5 / 10
009																										2.5 / 5 / 10
010																										2.5 / 5 / 10
011																										2.5 / 5 / 10
012																										2.5 / 5 / 10
013																										2.5 / 5 / 10
014																										2.5 / 5 / 10
015																										2.5 / 5 / 10
016																										2.5 / 5 / 10
017																										2.5 / 5 / 10
018																										2.5 / 5 / 10
019																										2.5 / 5 / 10
020																										2.5 / 5 / 10

Exceptions to preservation check: VOA Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (<6mm):  Yes  No  N/A **\*If yes look in headspace column**

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	DG9A 40 ml amber ascorbic	JGFU 4 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP2N 500 ml plastic HNO3	DG9T 40 ml amber Na Thio	WGFU 4 oz clear jar unpres
AG4S 125 ml amber glass H2SO4	BP2Z 500 ml plastic NaOH, Znact	VG9U 40 ml clear vial unpres	WPFU 4 oz plastic jar unpres
AG4U 120 ml amber glass unpres	BP3U 250 ml plastic unpres	VG9H 40 ml clear vial HCL	
AG5U 100 ml amber glass unpres	BP3C 250 ml plastic NaOH	VG9M 40 ml clear vial MeOH	SP5T 120 ml plastic Na Thiosulfate
AG2S 500 ml amber glass H2SO4	BP3N 250 ml plastic HNO3	VG9D 40 ml clear vial DI	ZPLC ziploc bag
BG3U 250 ml clear glass unpres	BP3S 250 ml plastic H2SO4		GN:



1241 Bellevue Street, Green Bay, WI 54302

Document Name: Sample Condition Upon Receipt (SCUR)
Document No.: F-GB-C-031-Rev.07

Document Revised: 25Apr2018
Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: [ ]

Client Name: Pace Madison

WO#: 40186349

Courier: CS Logistics Fed Ex Speedee UPS Waltco
Client Pace Other:



Tracking #: [ ]

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ICorr: RO

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
Date: 4/24/19
Initials: [ ]

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Table with 13 rows of inspection criteria and checkboxes. Includes items like Chain of Custody Present, Short Hold Time Analysis, and Trip Blank Present.

Client Notification/ Resolution: If checked, see attached form for additional comments

Person Contacted: Date/Time:
Comments/ Resolution: 002 vial have heavy sediment

4/24/19

Project Manager Review: AL for DM

Date: 4/24/19

April 23, 2019

Ryan Plath  
ERM, INC.  
700 W. Virginia Street  
Suite 601  
Milwaukee, WI 53204

RE: Project: 0441161 OSCAR-MAYER  
Pace Project No.: 40186131

Dear Ryan Plath:

Enclosed are the analytical results for sample(s) received by the laboratory on April 19, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: David deCourcy-Bower, ERM, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
40186131001	TS-VAS-001-WG-155-157-20190418	Water	04/18/19 09:30	04/19/19 08:25
40186131002	TS-VAS-001-WG-145-147-20190417	Water	04/17/19 17:00	04/19/19 08:25

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 0441161 OSCAR-MAYER  
Pace Project No.: 40186131

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40186131001	TS-VAS-001-WG-155-157-20190418	EPA 8260	HNW	64	PASI-G
40186131002	TS-VAS-001-WG-145-147-20190417	EPA 8260	HNW	64	PASI-G

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

Sample: **TS-VAS-001-WG-155-157-20190418** Lab ID: **40186131001** Collected: 04/18/19 09:30 Received: 04/19/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/23/19 01:57	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/23/19 01:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/23/19 01:57	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/23/19 01:57	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/23/19 01:57	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/23/19 01:57	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/23/19 01:57	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/23/19 01:57	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/23/19 01:57	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/23/19 01:57	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/23/19 01:57	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/23/19 01:57	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/23/19 01:57	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 01:57	95-50-1	
1,2-Dichloroethane	705	ug/L	10.0	2.8	10		04/23/19 08:46	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/23/19 01:57	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/23/19 01:57	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/23/19 01:57	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/23/19 01:57	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/23/19 01:57	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/23/19 01:57	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/23/19 01:57	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/23/19 01:57	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/23/19 01:57	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/23/19 01:57	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/23/19 01:57	74-97-5	
Bromodichloromethane	0.91J	ug/L	1.2	0.36	1		04/23/19 01:57	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/23/19 01:57	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/23/19 01:57	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/23/19 01:57	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 01:57	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/23/19 01:57	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/23/19 01:57	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/23/19 01:57	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/23/19 01:57	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/23/19 01:57	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/23/19 01:57	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/23/19 01:57	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/23/19 01:57	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/23/19 01:57	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/23/19 01:57	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/23/19 01:57	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/23/19 01:57	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/23/19 01:57	91-20-3	
Styrene	1.9	ug/L	1.6	0.47	1		04/23/19 01:57	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

**Sample:** TS-VAS-001-WG-155-157-20190418    **Lab ID:** 40186131001    Collected: 04/18/19 09:30    Received: 04/19/19 08:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/23/19 01:57	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/23/19 01:57	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/23/19 01:57	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/23/19 01:57	75-69-4	
Vinyl chloride	0.66J	ug/L	1.0	0.17	1		04/23/19 01:57	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/23/19 01:57	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/23/19 01:57	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/23/19 01:57	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 01:57	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/23/19 01:57	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/23/19 01:57	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/23/19 01:57	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/23/19 01:57	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/23/19 01:57	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/23/19 01:57	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/23/19 01:57	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		04/23/19 01:57	460-00-4	HS,pH
Dibromofluoromethane (S)	98	%	70-130		1		04/23/19 01:57	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/23/19 01:57	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

Sample: **TS-VAS-001-WG-145-147-20190417** Lab ID: **40186131002** Collected: 04/17/19 17:00 Received: 04/19/19 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/23/19 00:31	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/23/19 00:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/23/19 00:31	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/23/19 00:31	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/23/19 00:31	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/23/19 00:31	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/23/19 00:31	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/23/19 00:31	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/23/19 00:31	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/23/19 00:31	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/23/19 00:31	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/23/19 00:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/23/19 00:31	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 00:31	95-50-1	
1,2-Dichloroethane	33.6	ug/L	1.0	0.28	1		04/23/19 00:31	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/23/19 00:31	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/23/19 00:31	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/23/19 00:31	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/23/19 00:31	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/23/19 00:31	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/23/19 00:31	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/23/19 00:31	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/23/19 00:31	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/23/19 00:31	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/23/19 00:31	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/23/19 00:31	74-97-5	
Bromodichloromethane	2.7	ug/L	1.2	0.36	1		04/23/19 00:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/23/19 00:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/23/19 00:31	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/23/19 00:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 00:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/23/19 00:31	75-00-3	
Chloroform	2.1J	ug/L	5.0	1.3	1		04/23/19 00:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/23/19 00:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/23/19 00:31	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/23/19 00:31	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/23/19 00:31	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/23/19 00:31	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/23/19 00:31	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/23/19 00:31	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/23/19 00:31	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/23/19 00:31	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/23/19 00:31	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/23/19 00:31	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/23/19 00:31	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

**Sample:** TS-VAS-001-WG-145-147-20190417    **Lab ID:** 40186131002    Collected: 04/17/19 17:00    Received: 04/19/19 08:25    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/23/19 00:31	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/23/19 00:31	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/23/19 00:31	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/23/19 00:31	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/23/19 00:31	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/23/19 00:31	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/23/19 00:31	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/23/19 00:31	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/23/19 00:31	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/23/19 00:31	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/23/19 00:31	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/23/19 00:31	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/23/19 00:31	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/23/19 00:31	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/23/19 00:31	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/23/19 00:31	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/23/19 00:31	460-00-4	pH
Dibromofluoromethane (S)	92	%	70-130		1		04/23/19 00:31	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/23/19 00:31	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

QC Batch: 319012 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40186131001, 40186131002

METHOD BLANK: 1854208 Matrix: Water

Associated Lab Samples: 40186131001, 40186131002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/22/19 17:42	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/22/19 17:42	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/22/19 17:42	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/22/19 17:42	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/22/19 17:42	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/22/19 17:42	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/22/19 17:42	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	04/22/19 17:42	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/22/19 17:42	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/22/19 17:42	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/22/19 17:42	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/22/19 17:42	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/22/19 17:42	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/22/19 17:42	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/22/19 17:42	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/22/19 17:42	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/22/19 17:42	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/22/19 17:42	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/22/19 17:42	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/22/19 17:42	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/22/19 17:42	
2-Chlorotoluene	ug/L	<0.93	5.0	04/22/19 17:42	
4-Chlorotoluene	ug/L	<0.76	2.5	04/22/19 17:42	
Benzene	ug/L	<0.25	1.0	04/22/19 17:42	
Bromobenzene	ug/L	<0.24	1.0	04/22/19 17:42	
Bromochloromethane	ug/L	<0.36	5.0	04/22/19 17:42	
Bromodichloromethane	ug/L	<0.36	1.2	04/22/19 17:42	
Bromoform	ug/L	<4.0	13.2	04/22/19 17:42	
Bromomethane	ug/L	<0.97	5.0	04/22/19 17:42	
Carbon tetrachloride	ug/L	<0.17	1.0	04/22/19 17:42	
Chlorobenzene	ug/L	<0.71	2.4	04/22/19 17:42	
Chloroethane	ug/L	<1.3	5.0	04/22/19 17:42	
Chloroform	ug/L	<1.3	5.0	04/22/19 17:42	
Chloromethane	ug/L	<2.2	7.3	04/22/19 17:42	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/22/19 17:42	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/22/19 17:42	
Dibromochloromethane	ug/L	<2.6	8.7	04/22/19 17:42	
Dibromomethane	ug/L	<0.94	3.1	04/22/19 17:42	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/22/19 17:42	
Diisopropyl ether	ug/L	<1.9	6.3	04/22/19 17:42	
Ethylbenzene	ug/L	<0.22	1.0	04/22/19 17:42	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

METHOD BLANK: 1854208

Matrix: Water

Associated Lab Samples: 40186131001, 40186131002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	04/22/19 17:42	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	04/22/19 17:42	
m&p-Xylene	ug/L	<0.47	2.0	04/22/19 17:42	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/22/19 17:42	
Methylene Chloride	ug/L	<0.58	5.0	04/22/19 17:42	
n-Butylbenzene	ug/L	<0.71	2.4	04/22/19 17:42	
n-Propylbenzene	ug/L	<0.81	5.0	04/22/19 17:42	
Naphthalene	ug/L	<1.2	5.0	04/22/19 17:42	
o-Xylene	ug/L	<0.26	1.0	04/22/19 17:42	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/22/19 17:42	
sec-Butylbenzene	ug/L	<0.85	5.0	04/22/19 17:42	
Styrene	ug/L	<0.47	1.6	04/22/19 17:42	
tert-Butylbenzene	ug/L	<0.30	1.0	04/22/19 17:42	
Tetrachloroethene	ug/L	<0.33	1.1	04/22/19 17:42	
Toluene	ug/L	<0.17	5.0	04/22/19 17:42	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	04/22/19 17:42	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/22/19 17:42	
Trichloroethene	ug/L	<0.26	1.0	04/22/19 17:42	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/22/19 17:42	
Vinyl chloride	ug/L	<0.17	1.0	04/22/19 17:42	
4-Bromofluorobenzene (S)	%	90	70-130	04/22/19 17:42	
Dibromofluoromethane (S)	%	97	70-130	04/22/19 17:42	
Toluene-d8 (S)	%	98	70-130	04/22/19 17:42	

LABORATORY CONTROL SAMPLE: 1854209

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.8	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	70-130	
1,1,2-Trichloroethane	ug/L	50	51.4	103	70-130	
1,1-Dichloroethane	ug/L	50	56.4	113	73-150	
1,1-Dichloroethene	ug/L	50	52.5	105	73-138	
1,2,4-Trichlorobenzene	ug/L	50	53.3	107	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.0	94	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	52.5	105	70-130	
1,2-Dichlorobenzene	ug/L	50	53.6	107	70-130	
1,2-Dichloroethane	ug/L	50	50.3	101	75-140	
1,2-Dichloropropane	ug/L	50	47.5	95	73-135	
1,3-Dichlorobenzene	ug/L	50	51.2	102	70-130	
1,4-Dichlorobenzene	ug/L	50	52.9	106	70-130	
Benzene	ug/L	50	50.4	101	70-130	
Bromodichloromethane	ug/L	50	52.6	105	70-130	
Bromoform	ug/L	50	49.4	99	68-129	
Bromomethane	ug/L	50	42.4	85	18-159	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR-MAYER  
Pace Project No.: 40186131

LABORATORY CONTROL SAMPLE: 1854209

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	53.9	108	70-130	
Chlorobenzene	ug/L	50	54.7	109	70-130	
Chloroethane	ug/L	50	45.3	91	53-147	
Chloroform	ug/L	50	48.7	97	74-136	
Chloromethane	ug/L	50	28.7	57	29-115	
cis-1,2-Dichloroethene	ug/L	50	48.4	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	43.3	87	70-130	
Dibromochloromethane	ug/L	50	53.9	108	70-130	
Dichlorodifluoromethane	ug/L	50	29.8	60	10-130	
Ethylbenzene	ug/L	50	55.9	112	80-124	
Isopropylbenzene (Cumene)	ug/L	50	53.5	107	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	49.6	99	54-137	
Methylene Chloride	ug/L	50	55.2	110	73-138	
o-Xylene	ug/L	50	56.9	114	70-130	
Styrene	ug/L	50	52.4	105	70-130	
Tetrachloroethene	ug/L	50	54.8	110	70-130	
Toluene	ug/L	50	53.5	107	80-126	
trans-1,2-Dichloroethene	ug/L	50	56.8	114	73-145	
trans-1,3-Dichloropropene	ug/L	50	44.0	88	70-130	
Trichloroethene	ug/L	50	53.1	106	70-130	
Trichlorofluoromethane	ug/L	50	53.0	106	76-147	
Vinyl chloride	ug/L	50	38.8	78	51-120	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854427 1854428

Parameter	Units	40186143002		1854427		1854428		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
1,1,1-Trichloroethane	ug/L	<0.00024 mg/L	50	50	51.4	50.7	103	101	70-130	1	20			
1,1,2,2-Tetrachloroethane	ug/L	<0.00028 mg/L	50	50	47.9	47.7	96	95	70-130	0	20			
1,1,2-Trichloroethane	ug/L	<0.00055 mg/L	50	50	51.3	48.3	103	97	70-137	6	20			
1,1-Dichloroethane	ug/L	<0.00027 mg/L	50	50	55.6	55.6	111	111	73-153	0	20			
1,1-Dichloroethene	ug/L	<0.00024 mg/L	50	50	54.5	54.7	109	109	73-138	0	20			
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	57.3	57.5	115	115	70-130	0	20			
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	50.9	52.9	102	106	58-129	4	20			
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.8	51.7	106	103	70-130	2	20			
1,2-Dichlorobenzene	ug/L	<0.71	50	50	53.3	54.3	107	109	70-130	2	20			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR-MAYER  
Pace Project No.: 40186131

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854427		1854428		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40186143002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichloroethane	ug/L	<0.00028 mg/L	50	50	49.5	48.8	99	98	75-140	1	20		
1,2-Dichloropropane	ug/L	<0.00028 mg/L	50	50	48.2	48.4	96	97	71-138	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	52.6	52.5	105	105	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.3	51.2	103	102	70-130	0	20		
Benzene	ug/L	0.00028J mg/L	50	50	50.2	49.8	100	99	70-130	1	20		
Bromodichloromethane	ug/L	<0.00036 mg/L	50	50	52.0	51.4	104	103	70-130	1	20		
Bromoform	ug/L	<0.0040 mg/L	50	50	49.6	48.2	99	96	68-129	3	20		
Bromomethane	ug/L	<0.00097 mg/L	50	50	44.2	45.6	88	91	15-170	3	20		
Carbon tetrachloride	ug/L	<0.00017 mg/L	50	50	56.2	54.1	112	108	70-130	4	20		
Chlorobenzene	ug/L	<0.00071 mg/L	50	50	53.7	53.6	107	107	70-130	0	20		
Chloroethane	ug/L	<0.0013 mg/L	50	50	48.7	47.9	97	96	51-148	2	20		
Chloroform	ug/L	<0.0013 mg/L	50	50	48.5	47.2	97	94	74-136	3	20		
Chloromethane	ug/L	<0.0022 mg/L	50	50	32.7	32.6	65	65	23-115	0	20		
cis-1,2-Dichloroethene	ug/L	<0.00027 mg/L	50	50	48.1	47.6	96	95	70-131	1	20		
cis-1,3-Dichloropropene	ug/L	<0.0036 mg/L	50	50	44.5	44.1	89	88	70-130	1	20		
Dibromochloromethane	ug/L	<0.0026 mg/L	50	50	52.6	52.3	105	105	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	43.4	42.2	87	84	10-132	3	20		
Ethylbenzene	ug/L	<0.00022 mg/L	50	50	56.6	55.2	113	110	80-125	2	20		
Isopropylbenzene (Cumene)	ug/L	8.2	50	50	63.0	61.2	110	106	70-130	3	20		
m&p-Xylene	ug/L	<0.47	100	100	116	112	116	112	70-130	3	20		
Methyl-tert-butyl ether	ug/L	<0.0012 mg/L	50	50	48.6	50.3	97	101	51-145	3	20		
Methylene Chloride	ug/L	<0.00058 mg/L	50	50	55.4	54.6	111	109	73-140	2	20		
o-Xylene	ug/L	<0.26	50	50	57.7	56.3	115	112	70-130	3	20		
Styrene	ug/L	<0.00047 mg/L	50	50	52.0	51.2	104	102	70-130	2	20		
Tetrachloroethene	ug/L	<0.00033 mg/L	50	50	55.0	53.8	110	108	70-130	2	20		
Toluene	ug/L	<0.00017 mg/L	50	50	54.2	52.8	108	105	80-131	3	20		
trans-1,2-Dichloroethene	ug/L	<0.0011 mg/L	50	50	57.2	57.6	114	115	73-148	1	20		
trans-1,3-Dichloropropene	ug/L	<0.0044 mg/L	50	50	45.0	43.9	90	88	70-130	2	20		
Trichloroethene	ug/L	<0.00026 mg/L	50	50	54.6	52.3	109	105	70-130	4	20		

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

Parameter	Units	40186143002		MS		MSD		1854427		1854428		% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec								
Trichlorofluoromethane	ug/L	<0.21	50	50	55.8	56.5	112	113	74-147	1	20					
Vinyl chloride	ug/L	<0.00017 mg/L	50	50	43.2	42.2	86	84	41-129	2	20					
4-Bromofluorobenzene (S)	%						97	96	70-130							
Dibromofluoromethane (S)	%						94	92	70-130							
Toluene-d8 (S)	%						98	98	70-130							

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## QUALIFIERS

Project: 0441161 OSCAR-MAYER  
Pace Project No.: 40186131

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 OSCAR-MAYER

Pace Project No.: 40186131

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40186131001	TS-VAS-001-WG-155-157-20190418	EPA 8260	319012		
40186131002	TS-VAS-001-WG-145-147-20190417	EPA 8260	319012		

### REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **ERM**  
 Branch/Location: **MILWAUKEE**  
 Project Contact: **RYAN PLATH**  
 Phone: **847-848-4500**  
 Project Number: **0441161**  
 Project Name: **OSCAR - MAYER**  
 Project State: **WI**  
 Sampled By (Print): **RYAN PLATH**  
 Sampled By (Sign): *[Signature]*  
 PO #: **1111**  
 Regulatory Program: **WDNR**



### CHAIN OF CUSTODY

Preservation Codes:  
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Analyses Requested	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
													Regulatory Program
4/18/19	1455	GW	N	B	VOC - 82608	4/18/19 1455	Ryan Plath	4/18/19 1455	Ryan Plath	4/18/19 1455			
4/18/19	1706	GW	X			4/18/19 1706	Ryan Plath	4/18/19 1706	Ryan Plath	4/18/19 1706			

Rush Turnaround Time Requested - Prelims  
 (Rush TAT subject to approval/surcharge)  
 Date Needed:  
 Transmit Prelim Results by (complete what you want):  
 Email #1: **ryan.plath@erm.com**  
 Email #2: **ryan.plath@erm.com**  
 Telephone: **ERM.com**  
 Fax:

Relinquished By: *[Signature]* Date/Time: 4/18/19 1455  
 Relinquished By: *[Signature]* Date/Time: 4/18/19 1455  
 Relinquished By: *[Signature]* Date/Time: 4/18/19 1455  
 Relinquished By: *[Signature]* Date/Time: 4/18/19 1455

Received By: *[Signature]* Date/Time: 4/18/19 1455  
 Received By: *[Signature]* Date/Time: 4/18/19 1455  
 Received By: *[Signature]* Date/Time: 4/18/19 1455  
 Received By: *[Signature]* Date/Time: 4/18/19 1455

PACE Project No. **40186131**  
 Receipt Temp = **101** °C  
 Sample Receipt pH **OK / Adjusted**  
 Cooler Custody Seal **Present / Not Present**  
 Intact / Not Intact

Client Name: ERM

### Sample Preservation Receipt Form

Project # 40186131

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Lab Lot# of pH paper:

Lab Std #/ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Pace Lab #	Glass	Plastic	Vials	Jars	General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
					SP5T	ZPLC							
001	AG1U	BP1U	DG9A	JGFU	SP5T								2.5 / 5 / 10
002	AG1H	BP2N	DG9T	WGFU	ZPLC								2.5 / 5 / 10
003	AG4S	BP2Z	VG9U	WPFU	GN								2.5 / 5 / 10
004	AG4U	BP3U	VG9H										2.5 / 5 / 10
005	AG5U	BP3C	VG9M										2.5 / 5 / 10
006	AG2S	BP3N	VG9D										2.5 / 5 / 10
007	BG3U	BP3S											2.5 / 5 / 10
008													2.5 / 5 / 10
009													2.5 / 5 / 10
010													2.5 / 5 / 10
011													2.5 / 5 / 10
012													2.5 / 5 / 10
013													2.5 / 5 / 10
014													2.5 / 5 / 10
015													2.5 / 5 / 10
016													2.5 / 5 / 10
017													2.5 / 5 / 10
018													2.5 / 5 / 10
019													2.5 / 5 / 10
020													2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: Headspace in VOA Vials (>6mm):  Yes  No  N/A \*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	



1241 Bellevue Street, Green Bay, WI 54302

Document Name: Sample Condition Upon Receipt (SCUR)  
Document No.: F-GB-C-031-Rev.07

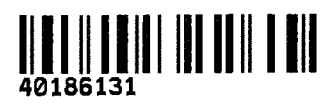
Document Revised: 25Apr2018  
Issuing Authority: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Client Name: ERM

Project #: **WO#: 40186131**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: 1905.041819

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - NA Type of Ice:  Wet  Blue  Dry  None

Cooler Temperature Uncorr: 201 / Corr: \_\_\_\_\_  Samples on ice, cooling process has begun

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Person examining contents:  
Date: 4/19/19  
Initials: [Signature]

Temp should be above freezing to 6°C.  
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>+ CC</u>	<u>4/19/19 [Signature]</u>
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No med</u>	
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	<u>4/19/19 [Signature]</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.	<u>4/19/19 [Signature]</u>
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	<u>4/19/19 [Signature]</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:	For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>001 Heavy Sediment</u>	<u>4/19/19 [Signature]</u>
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
-Includes date/time/ID/Analysis Matrix: <u>W</u>			
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution: Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_ If checked, see attached form for additional comments   
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: [Signature]

Date: 04/19/19

April 23, 2019

Ryan Plath  
ERM, INC.  
700 W. Virginia Street  
Suite 601  
Milwaukee, WI 53204

RE: Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185994

Dear Ryan Plath:

Enclosed are the analytical results for sample(s) received by the laboratory on April 18, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: David deCourcy-Bower, ERM, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40185994001	TS-VAS-001-WG-105-107-20190417	Water	04/17/19 08:15	04/18/19 08:45
40185994002	TB-01-WQ-20190417	Water	04/17/19 08:52	04/18/19 08:45
40185994003	TS-VAS-001-WG-115-117-20190417	Water	04/17/19 10:00	04/18/19 08:45
40185994004	DUP-01-WG-20190417	Water	04/17/19 10:00	04/18/19 08:45
40185994005	TS-VAS-001-WG-125-127-20190417	Water	04/17/19 11:55	04/18/19 08:45
40185994006	TS-VAS-001-WG-135-137-20190417	Water	04/17/19 14:45	04/18/19 08:45

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40185994001	TS-VAS-001-WG-105-107-20190417	EPA 8260	LAP	64	PASI-G
40185994002	TB-01-WQ-20190417	EPA 8260	HNW	64	PASI-G
40185994003	TS-VAS-001-WG-115-117-20190417	EPA 8260	LAP	64	PASI-G
40185994004	DUP-01-WG-20190417	EPA 8260	HNW	64	PASI-G
40185994005	TS-VAS-001-WG-125-127-20190417	EPA 8260	HNW	64	PASI-G
40185994006	TS-VAS-001-WG-135-137-20190417	EPA 8260	HNW	64	PASI-G

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

Sample: **TS-VAS-001-WG-105-107-20190417** Lab ID: **40185994001** Collected: 04/17/19 08:15 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 10:58	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/19/19 10:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 10:58	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/19/19 10:58	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 10:58	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/19/19 10:58	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/19/19 10:58	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/19/19 10:58	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/19/19 10:58	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/19/19 10:58	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/19/19 10:58	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/19/19 10:58	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/19/19 10:58	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 10:58	95-50-1	
1,2-Dichloroethane	54.1	ug/L	1.0	0.28	1		04/19/19 10:58	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/19/19 10:58	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/19/19 10:58	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/19/19 10:58	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/19/19 10:58	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/19/19 10:58	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/19/19 10:58	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/19/19 10:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/19/19 10:58	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/19/19 10:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/19/19 10:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/19/19 10:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/19/19 10:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/19/19 10:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/19/19 10:58	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/19/19 10:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 10:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/19/19 10:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/19/19 10:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/19/19 10:58	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/19/19 10:58	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/19/19 10:58	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/19/19 10:58	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/19/19 10:58	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/19/19 10:58	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/19/19 10:58	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/19/19 10:58	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/19/19 10:58	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/19/19 10:58	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/19/19 10:58	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/19/19 10:58	100-42-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

**Sample:** TS-VAS-001-WG-105-107-20190417    **Lab ID:** 40185994001    Collected: 04/17/19 08:15    Received: 04/18/19 08:45    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/19/19 10:58	127-18-4	
Toluene	0.29J	ug/L	5.0	0.17	1		04/19/19 10:58	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/19/19 10:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/19/19 10:58	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/19/19 10:58	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/19/19 10:58	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/19/19 10:58	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/19/19 10:58	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 10:58	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/19/19 10:58	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/19/19 10:58	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/19/19 10:58	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/19/19 10:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/19/19 10:58	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/19/19 10:58	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/19/19 10:58	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-130		1		04/19/19 10:58	460-00-4	pH
Dibromofluoromethane (S)	119	%	70-130		1		04/19/19 10:58	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/19/19 10:58	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

Sample: **TB-01-WQ-20190417** Lab ID: **40185994002** Collected: 04/17/19 08:52 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/22/19 17:12	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/22/19 17:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/22/19 17:12	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/22/19 17:12	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/22/19 17:12	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/22/19 17:12	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/22/19 17:12	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/22/19 17:12	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/22/19 17:12	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/22/19 17:12	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/22/19 17:12	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/22/19 17:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/22/19 17:12	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 17:12	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/22/19 17:12	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/22/19 17:12	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/22/19 17:12	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/22/19 17:12	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/22/19 17:12	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/22/19 17:12	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/22/19 17:12	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/22/19 17:12	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/22/19 17:12	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/22/19 17:12	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/22/19 17:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/22/19 17:12	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/22/19 17:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/22/19 17:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/22/19 17:12	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/22/19 17:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 17:12	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/22/19 17:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/22/19 17:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/22/19 17:12	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/22/19 17:12	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/22/19 17:12	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/22/19 17:12	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/22/19 17:12	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/22/19 17:12	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/22/19 17:12	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/22/19 17:12	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/22/19 17:12	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/22/19 17:12	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/22/19 17:12	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/22/19 17:12	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/22/19 17:12	127-18-4	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

**Sample: TB-01-WQ-20190417**      **Lab ID: 40185994002**      Collected: 04/17/19 08:52      Received: 04/18/19 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		04/22/19 17:12	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/22/19 17:12	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/22/19 17:12	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/22/19 17:12	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/22/19 17:12	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/22/19 17:12	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/22/19 17:12	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 17:12	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/22/19 17:12	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/22/19 17:12	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/22/19 17:12	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/22/19 17:12	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/22/19 17:12	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/22/19 17:12	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/22/19 17:12	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/22/19 17:12	460-00-4	HS
Dibromofluoromethane (S)	103	%	70-130		1		04/22/19 17:12	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		04/22/19 17:12	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

**Sample:** TS-VAS-001-WG-115-117-20190417    **Lab ID:** 40185994003    Collected: 04/17/19 10:00    Received: 04/18/19 08:45    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 11:20	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/19/19 11:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/19/19 11:20	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/19/19 11:20	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/19/19 11:20	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/19/19 11:20	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/19/19 11:20	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/19/19 11:20	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/19/19 11:20	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/19/19 11:20	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/19/19 11:20	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/19/19 11:20	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/19/19 11:20	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 11:20	95-50-1	
1,2-Dichloroethane	18.6	ug/L	1.0	0.28	1		04/19/19 11:20	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/19/19 11:20	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/19/19 11:20	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/19/19 11:20	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/19/19 11:20	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/19/19 11:20	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/19/19 11:20	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/19/19 11:20	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/19/19 11:20	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/19/19 11:20	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/19/19 11:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/19/19 11:20	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/19/19 11:20	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/19/19 11:20	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/19/19 11:20	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/19/19 11:20	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 11:20	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/19/19 11:20	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/19/19 11:20	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/19/19 11:20	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/19/19 11:20	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/19/19 11:20	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/19/19 11:20	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/19/19 11:20	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/19/19 11:20	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/19/19 11:20	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/19/19 11:20	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/19/19 11:20	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/19/19 11:20	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/19/19 11:20	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/19/19 11:20	100-42-5	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

**Sample:** TS-VAS-001-WG-115-117-20190417    **Lab ID:** 40185994003    Collected: 04/17/19 10:00    Received: 04/18/19 08:45    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/19/19 11:20	127-18-4	
Toluene	0.23J	ug/L	5.0	0.17	1		04/19/19 11:20	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/19/19 11:20	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/19/19 11:20	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/19/19 11:20	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/19/19 11:20	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/19/19 11:20	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/19/19 11:20	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/19/19 11:20	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/19/19 11:20	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/19/19 11:20	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/19/19 11:20	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/19/19 11:20	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/19/19 11:20	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/19/19 11:20	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/19/19 11:20	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		04/19/19 11:20	460-00-4	HS,pH
Dibromofluoromethane (S)	123	%	70-130		1		04/19/19 11:20	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		04/19/19 11:20	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

Sample: DUP-01-WG-20190417 Lab ID: 40185994004 Collected: 04/17/19 10:00 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/22/19 19:27	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/22/19 19:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/22/19 19:27	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/22/19 19:27	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/22/19 19:27	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/22/19 19:27	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/22/19 19:27	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/22/19 19:27	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/22/19 19:27	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/22/19 19:27	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/22/19 19:27	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/22/19 19:27	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/22/19 19:27	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 19:27	95-50-1	
1,2-Dichloroethane	16.0	ug/L	1.0	0.28	1		04/22/19 19:27	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/22/19 19:27	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/22/19 19:27	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/22/19 19:27	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/22/19 19:27	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/22/19 19:27	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/22/19 19:27	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/22/19 19:27	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/22/19 19:27	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/22/19 19:27	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/22/19 19:27	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/22/19 19:27	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/22/19 19:27	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/22/19 19:27	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/22/19 19:27	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/22/19 19:27	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 19:27	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/22/19 19:27	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/22/19 19:27	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/22/19 19:27	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/22/19 19:27	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/22/19 19:27	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/22/19 19:27	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/22/19 19:27	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/22/19 19:27	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/22/19 19:27	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/22/19 19:27	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/22/19 19:27	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/22/19 19:27	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/22/19 19:27	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/22/19 19:27	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/22/19 19:27	127-18-4	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

**Sample: DUP-01-WG-20190417**    **Lab ID: 40185994004**    Collected: 04/17/19 10:00    Received: 04/18/19 08:45    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		04/22/19 19:27	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/22/19 19:27	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/22/19 19:27	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/22/19 19:27	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/22/19 19:27	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/22/19 19:27	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/22/19 19:27	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 19:27	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/22/19 19:27	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/22/19 19:27	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/22/19 19:27	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/22/19 19:27	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/22/19 19:27	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/22/19 19:27	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/22/19 19:27	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/22/19 19:27	460-00-4	HS,pH
Dibromofluoromethane (S)	105	%	70-130		1		04/22/19 19:27	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		04/22/19 19:27	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185994

Sample: **TS-VAS-001-WG-125-127-20190417** Lab ID: **40185994005** Collected: 04/17/19 11:55 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/22/19 19:49	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/22/19 19:49	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/22/19 19:49	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/22/19 19:49	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/22/19 19:49	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/22/19 19:49	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/22/19 19:49	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/22/19 19:49	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/22/19 19:49	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/22/19 19:49	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/22/19 19:49	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/22/19 19:49	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/22/19 19:49	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 19:49	95-50-1	
1,2-Dichloroethane	156	ug/L	1.0	0.28	1		04/22/19 19:49	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/22/19 19:49	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/22/19 19:49	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/22/19 19:49	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/22/19 19:49	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/22/19 19:49	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/22/19 19:49	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/22/19 19:49	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/22/19 19:49	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/22/19 19:49	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/22/19 19:49	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/22/19 19:49	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/22/19 19:49	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/22/19 19:49	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/22/19 19:49	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/22/19 19:49	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 19:49	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/22/19 19:49	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/22/19 19:49	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/22/19 19:49	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/22/19 19:49	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/22/19 19:49	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/22/19 19:49	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/22/19 19:49	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/22/19 19:49	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/22/19 19:49	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/22/19 19:49	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/22/19 19:49	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/22/19 19:49	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/22/19 19:49	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/22/19 19:49	100-42-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

**Sample:** TS-VAS-001-WG-125-127-20190417    **Lab ID:** 40185994005    Collected: 04/17/19 11:55    Received: 04/18/19 08:45    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/22/19 19:49	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/22/19 19:49	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/22/19 19:49	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/22/19 19:49	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/22/19 19:49	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/22/19 19:49	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/22/19 19:49	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/22/19 19:49	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 19:49	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/22/19 19:49	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/22/19 19:49	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/22/19 19:49	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/22/19 19:49	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/22/19 19:49	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/22/19 19:49	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/22/19 19:49	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/22/19 19:49	460-00-4	HS,pH
Dibromofluoromethane (S)	104	%	70-130		1		04/22/19 19:49	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/22/19 19:49	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

Sample: **TS-VAS-001-WG-135-137-20190417** Lab ID: **40185994006** Collected: 04/17/19 14:45 Received: 04/18/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/22/19 20:12	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/22/19 20:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/22/19 20:12	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/22/19 20:12	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/22/19 20:12	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/22/19 20:12	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/22/19 20:12	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/22/19 20:12	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/22/19 20:12	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/22/19 20:12	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/22/19 20:12	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/22/19 20:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/22/19 20:12	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 20:12	95-50-1	
1,2-Dichloroethane	3.5	ug/L	1.0	0.28	1		04/22/19 20:12	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/22/19 20:12	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/22/19 20:12	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/22/19 20:12	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/22/19 20:12	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/22/19 20:12	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/22/19 20:12	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/22/19 20:12	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/22/19 20:12	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/22/19 20:12	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/22/19 20:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/22/19 20:12	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/22/19 20:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/22/19 20:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/22/19 20:12	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/22/19 20:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 20:12	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/22/19 20:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/22/19 20:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/22/19 20:12	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/22/19 20:12	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/22/19 20:12	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/22/19 20:12	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/22/19 20:12	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/22/19 20:12	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/22/19 20:12	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/22/19 20:12	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/22/19 20:12	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/22/19 20:12	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/22/19 20:12	91-20-3	
Styrene	0.64J	ug/L	1.6	0.47	1		04/22/19 20:12	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

**Sample:** TS-VAS-001-WG-135-137-20190417    **Lab ID:** 40185994006    Collected: 04/17/19 14:45    Received: 04/18/19 08:45    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/22/19 20:12	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/22/19 20:12	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/22/19 20:12	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/22/19 20:12	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/22/19 20:12	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/22/19 20:12	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/22/19 20:12	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/22/19 20:12	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/22/19 20:12	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/22/19 20:12	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/22/19 20:12	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/22/19 20:12	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/22/19 20:12	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/22/19 20:12	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/22/19 20:12	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/22/19 20:12	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/22/19 20:12	460-00-4	HS,pH
Dibromofluoromethane (S)	105	%	70-130		1		04/22/19 20:12	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/22/19 20:12	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

QC Batch: 318837 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40185994001, 40185994003

METHOD BLANK: 1852791 Matrix: Water

Associated Lab Samples: 40185994001, 40185994003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/19/19 07:32	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/19/19 07:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/19/19 07:32	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/19/19 07:32	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/19/19 07:32	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/19/19 07:32	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/19/19 07:32	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	04/19/19 07:32	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/19/19 07:32	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/19/19 07:32	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/19/19 07:32	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/19/19 07:32	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/19/19 07:32	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/19/19 07:32	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/19/19 07:32	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/19/19 07:32	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/19/19 07:32	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/19/19 07:32	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/19/19 07:32	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/19/19 07:32	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/19/19 07:32	
2-Chlorotoluene	ug/L	<0.93	5.0	04/19/19 07:32	
4-Chlorotoluene	ug/L	<0.76	2.5	04/19/19 07:32	
Benzene	ug/L	<0.25	1.0	04/19/19 07:32	
Bromobenzene	ug/L	<0.24	1.0	04/19/19 07:32	
Bromochloromethane	ug/L	<0.36	5.0	04/19/19 07:32	
Bromodichloromethane	ug/L	<0.36	1.2	04/19/19 07:32	
Bromoform	ug/L	<4.0	13.2	04/19/19 07:32	
Bromomethane	ug/L	<0.97	5.0	04/19/19 07:32	
Carbon tetrachloride	ug/L	<0.17	1.0	04/19/19 07:32	
Chlorobenzene	ug/L	<0.71	2.4	04/19/19 07:32	
Chloroethane	ug/L	<1.3	5.0	04/19/19 07:32	
Chloroform	ug/L	<1.3	5.0	04/19/19 07:32	
Chloromethane	ug/L	<2.2	7.3	04/19/19 07:32	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/19/19 07:32	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/19/19 07:32	
Dibromochloromethane	ug/L	<2.6	8.7	04/19/19 07:32	
Dibromomethane	ug/L	<0.94	3.1	04/19/19 07:32	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/19/19 07:32	
Diisopropyl ether	ug/L	<1.9	6.3	04/19/19 07:32	
Ethylbenzene	ug/L	<0.22	1.0	04/19/19 07:32	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

METHOD BLANK: 1852791

Matrix: Water

Associated Lab Samples: 40185994001, 40185994003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	04/19/19 07:32	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	04/19/19 07:32	
m&p-Xylene	ug/L	<0.47	2.0	04/19/19 07:32	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/19/19 07:32	
Methylene Chloride	ug/L	<0.58	5.0	04/19/19 07:32	
n-Butylbenzene	ug/L	<0.71	2.4	04/19/19 07:32	
n-Propylbenzene	ug/L	<0.81	5.0	04/19/19 07:32	
Naphthalene	ug/L	<1.2	5.0	04/19/19 07:32	
o-Xylene	ug/L	<0.26	1.0	04/19/19 07:32	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/19/19 07:32	
sec-Butylbenzene	ug/L	<0.85	5.0	04/19/19 07:32	
Styrene	ug/L	<0.47	1.6	04/19/19 07:32	
tert-Butylbenzene	ug/L	<0.30	1.0	04/19/19 07:32	
Tetrachloroethene	ug/L	<0.33	1.1	04/19/19 07:32	
Toluene	ug/L	<0.17	5.0	04/19/19 07:32	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	04/19/19 07:32	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/19/19 07:32	
Trichloroethene	ug/L	<0.26	1.0	04/19/19 07:32	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/19/19 07:32	
Vinyl chloride	ug/L	<0.17	1.0	04/19/19 07:32	
4-Bromofluorobenzene (S)	%	90	70-130	04/19/19 07:32	
Dibromofluoromethane (S)	%	116	70-130	04/19/19 07:32	
Toluene-d8 (S)	%	97	70-130	04/19/19 07:32	

LABORATORY CONTROL SAMPLE: 1852792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.9	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.4	95	70-130	
1,1,2-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethane	ug/L	50	56.0	112	73-150	
1,1-Dichloroethene	ug/L	50	55.8	112	73-138	
1,2,4-Trichlorobenzene	ug/L	50	49.1	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	40.1	80	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	51.4	103	70-130	
1,2-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,2-Dichloroethane	ug/L	50	58.2	116	75-140	
1,2-Dichloropropane	ug/L	50	52.0	104	73-135	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	52.3	105	70-130	
Benzene	ug/L	50	57.4	115	70-130	
Bromodichloromethane	ug/L	50	51.4	103	70-130	
Bromoform	ug/L	50	49.6	99	68-129	
Bromomethane	ug/L	50	55.2	110	18-159	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185994

LABORATORY CONTROL SAMPLE: 1852792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	59.9	120	70-130	
Chlorobenzene	ug/L	50	55.1	110	70-130	
Chloroethane	ug/L	50	57.5	115	53-147	
Chloroform	ug/L	50	57.8	116	74-136	
Chloromethane	ug/L	50	36.0	72	29-115	
cis-1,2-Dichloroethene	ug/L	50	53.3	107	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.8	94	70-130	
Dibromochloromethane	ug/L	50	48.3	97	70-130	
Dichlorodifluoromethane	ug/L	50	36.1	72	10-130	
Ethylbenzene	ug/L	50	53.3	107	80-124	
Isopropylbenzene (Cumene)	ug/L	50	54.4	109	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	40.5	81	54-137	
Methylene Chloride	ug/L	50	59.6	119	73-138	
o-Xylene	ug/L	50	52.5	105	70-130	
Styrene	ug/L	50	52.4	105	70-130	
Tetrachloroethene	ug/L	50	53.4	107	70-130	
Toluene	ug/L	50	53.8	108	80-126	
trans-1,2-Dichloroethene	ug/L	50	57.5	115	73-145	
trans-1,3-Dichloropropene	ug/L	50	44.9	90	70-130	
Trichloroethene	ug/L	50	54.4	109	70-130	
Trichlorofluoromethane	ug/L	50	58.2	116	76-147	
Vinyl chloride	ug/L	50	46.2	92	51-120	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			118	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1853242 1853243

Parameter	Units	40186003007		1853242		1853243		% Rec	% Rec	% Rec	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					
1,1,1-Trichloroethane	ug/L	<0.24	50	50	57.7	54.1	115	108	70-130	6	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	49.9	52.0	100	104	70-130	4	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	53.1	54.1	106	108	70-137	2	20	
1,1-Dichloroethane	ug/L	0.43J	50	50	58.3	57.7	116	115	73-153	1	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	59.2	60.6	118	121	73-138	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	49.9	48.0	100	96	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	48.8	47.3	98	95	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	49.6	53.5	99	107	70-130	8	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.7	52.3	103	105	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	60.2	59.8	120	120	75-140	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	49.4	51.8	99	104	71-138	5	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	49.3	50.0	99	100	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.8	52.0	104	104	70-130	0	20	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1853242 1853243												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40186003007 Result	Spike Conc.	Spike Conc.	MS Result							
Benzene	ug/L	<0.25	50	50	58.0	57.4	116	115	70-130	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	50.1	51.8	100	104	70-130	3	20	
Bromoform	ug/L	<4.0	50	50	49.9	52.2	100	104	68-129	5	20	
Bromomethane	ug/L	<0.97	50	50	55.8	59.6	112	119	15-170	7	20	
Carbon tetrachloride	ug/L	<0.17	50	50	61.9	62.9	124	126	70-130	2	20	
Chlorobenzene	ug/L	<0.71	50	50	55.5	56.3	111	113	70-130	2	20	
Chloroethane	ug/L	<1.3	50	50	60.6	58.0	121	116	51-148	4	20	
Chloroform	ug/L	<1.3	50	50	56.2	55.5	112	111	74-136	1	20	
Chloromethane	ug/L	<2.2	50	50	37.7	35.8	75	72	23-115	5	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	55.3	54.5	111	109	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	47.4	47.1	95	94	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	48.0	50.2	96	100	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	35.5	36.1	71	72	10-132	2	20	
Ethylbenzene	ug/L	<0.22	50	50	53.5	53.4	107	107	80-125	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.2	54.7	106	109	70-130	3	20	
m&p-Xylene	ug/L	<0.47	100	100	109	111	109	111	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	44.4	44.4	89	89	51-145	0	20	
Methylene Chloride	ug/L	<0.58	50	50	64.1	62.0	128	124	73-140	3	20	
o-Xylene	ug/L	<0.26	50	50	53.0	53.1	106	106	70-130	0	20	
Styrene	ug/L	<0.47	50	50	53.2	54.1	106	108	70-130	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	49.5	50.7	99	101	70-130	2	20	
Toluene	ug/L	<0.17	50	50	54.2	53.3	108	107	80-131	2	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	58.5	59.0	117	118	73-148	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	44.9	45.7	90	91	70-130	2	20	
Trichloroethene	ug/L	<0.26	50	50	53.0	54.4	106	109	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	60.8	61.4	122	123	74-147	1	20	
Vinyl chloride	ug/L	<0.17	50	50	50.3	47.6	101	95	41-129	5	20	
4-Bromofluorobenzene (S)	%						96	97	70-130			
Dibromofluoromethane (S)	%						117	119	70-130			
Toluene-d8 (S)	%						102	99	70-130			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40185994

QC Batch: 318889 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40185994002, 40185994004, 40185994005, 40185994006

METHOD BLANK: 1853115 Matrix: Water  
Associated Lab Samples: 40185994002, 40185994004, 40185994005, 40185994006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/22/19 14:57	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/22/19 14:57	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/22/19 14:57	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/22/19 14:57	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/22/19 14:57	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/22/19 14:57	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/22/19 14:57	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	04/22/19 14:57	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/22/19 14:57	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/22/19 14:57	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/22/19 14:57	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/22/19 14:57	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/22/19 14:57	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/22/19 14:57	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/22/19 14:57	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/22/19 14:57	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/22/19 14:57	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/22/19 14:57	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/22/19 14:57	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/22/19 14:57	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/22/19 14:57	
2-Chlorotoluene	ug/L	<0.93	5.0	04/22/19 14:57	
4-Chlorotoluene	ug/L	<0.76	2.5	04/22/19 14:57	
Benzene	ug/L	<0.25	1.0	04/22/19 14:57	
Bromobenzene	ug/L	<0.24	1.0	04/22/19 14:57	
Bromochloromethane	ug/L	<0.36	5.0	04/22/19 14:57	
Bromodichloromethane	ug/L	<0.36	1.2	04/22/19 14:57	
Bromoform	ug/L	<4.0	13.2	04/22/19 14:57	
Bromomethane	ug/L	<0.97	5.0	04/22/19 14:57	
Carbon tetrachloride	ug/L	<0.17	1.0	04/22/19 14:57	
Chlorobenzene	ug/L	<0.71	2.4	04/22/19 14:57	
Chloroethane	ug/L	<1.3	5.0	04/22/19 14:57	
Chloroform	ug/L	<1.3	5.0	04/22/19 14:57	
Chloromethane	ug/L	<2.2	7.3	04/22/19 14:57	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/22/19 14:57	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/22/19 14:57	
Dibromochloromethane	ug/L	<2.6	8.7	04/22/19 14:57	
Dibromomethane	ug/L	<0.94	3.1	04/22/19 14:57	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/22/19 14:57	
Diisopropyl ether	ug/L	<1.9	6.3	04/22/19 14:57	
Ethylbenzene	ug/L	<0.22	1.0	04/22/19 14:57	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

METHOD BLANK: 1853115

Matrix: Water

Associated Lab Samples: 40185994002, 40185994004, 40185994005, 40185994006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	04/22/19 14:57	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	04/22/19 14:57	
m&p-Xylene	ug/L	<0.47	2.0	04/22/19 14:57	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/22/19 14:57	
Methylene Chloride	ug/L	<0.58	5.0	04/22/19 14:57	
n-Butylbenzene	ug/L	<0.71	2.4	04/22/19 14:57	
n-Propylbenzene	ug/L	<0.81	5.0	04/22/19 14:57	
Naphthalene	ug/L	<1.2	5.0	04/22/19 14:57	
o-Xylene	ug/L	<0.26	1.0	04/22/19 14:57	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/22/19 14:57	
sec-Butylbenzene	ug/L	<0.85	5.0	04/22/19 14:57	
Styrene	ug/L	<0.47	1.6	04/22/19 14:57	
tert-Butylbenzene	ug/L	<0.30	1.0	04/22/19 14:57	
Tetrachloroethene	ug/L	<0.33	1.1	04/22/19 14:57	
Toluene	ug/L	<0.17	5.0	04/22/19 14:57	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	04/22/19 14:57	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/22/19 14:57	
Trichloroethene	ug/L	<0.26	1.0	04/22/19 14:57	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/22/19 14:57	
Vinyl chloride	ug/L	<0.17	1.0	04/22/19 14:57	
4-Bromofluorobenzene (S)	%	97	70-130	04/22/19 14:57	
Dibromofluoromethane (S)	%	101	70-130	04/22/19 14:57	
Toluene-d8 (S)	%	100	70-130	04/22/19 14:57	

LABORATORY CONTROL SAMPLE: 1853116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.6	97	70-130	
1,1,2-Trichloroethane	ug/L	50	50.0	100	70-130	
1,1-Dichloroethane	ug/L	50	53.6	107	73-150	
1,1-Dichloroethene	ug/L	50	52.7	105	73-138	
1,2,4-Trichlorobenzene	ug/L	50	46.3	93	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.3	91	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	48.5	97	70-130	
1,2-Dichlorobenzene	ug/L	50	47.8	96	70-130	
1,2-Dichloroethane	ug/L	50	52.2	104	75-140	
1,2-Dichloropropane	ug/L	50	50.3	101	73-135	
1,3-Dichlorobenzene	ug/L	50	48.5	97	70-130	
1,4-Dichlorobenzene	ug/L	50	48.1	96	70-130	
Benzene	ug/L	50	53.2	106	70-130	
Bromodichloromethane	ug/L	50	49.3	99	70-130	
Bromoform	ug/L	50	39.9	80	68-129	
Bromomethane	ug/L	50	40.5	81	18-159	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

LABORATORY CONTROL SAMPLE: 1853116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	48.2	96	70-130	
Chlorobenzene	ug/L	50	50.4	101	70-130	
Chloroethane	ug/L	50	51.6	103	53-147	
Chloroform	ug/L	50	52.5	105	74-136	
Chloromethane	ug/L	50	40.1	80	29-115	
cis-1,2-Dichloroethene	ug/L	50	50.8	102	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.8	98	70-130	
Dibromochloromethane	ug/L	50	44.1	88	70-130	
Dichlorodifluoromethane	ug/L	50	47.5	95	10-130	
Ethylbenzene	ug/L	50	52.1	104	80-124	
Isopropylbenzene (Cumene)	ug/L	50	51.4	103	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	48.7	97	54-137	
Methylene Chloride	ug/L	50	51.5	103	73-138	
o-Xylene	ug/L	50	50.6	101	70-130	
Styrene	ug/L	50	50.1	100	70-130	
Tetrachloroethene	ug/L	50	49.5	99	70-130	
Toluene	ug/L	50	50.3	101	80-126	
trans-1,2-Dichloroethene	ug/L	50	51.6	103	73-145	
trans-1,3-Dichloropropene	ug/L	50	44.7	89	70-130	
Trichloroethene	ug/L	50	50.9	102	70-130	
Trichlorofluoromethane	ug/L	50	55.3	111	76-147	
Vinyl chloride	ug/L	50	49.2	98	51-120	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854409 1854410

Parameter	Units	40185933002		1854409		1854410		% Rec	% Rec	% Rec	Limits	RPD	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec							
1,1,1-Trichloroethane	ug/L	<0.24	50	50	51.9	56.0	104	112	70-130	7	20			
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	49.1	51.6	98	103	70-130	5	20			
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.4	52.7	101	105	70-137	4	20			
1,1-Dichloroethane	ug/L	<0.27	50	50	51.9	56.0	104	112	73-153	7	20			
1,1-Dichloroethene	ug/L	<0.24	50	50	51.5	55.2	103	110	73-138	7	20			
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	47.5	49.4	95	99	70-130	4	20			
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	46.4	49.2	93	98	58-129	6	20			
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	49.3	51.6	99	103	70-130	4	20			
1,2-Dichlorobenzene	ug/L	<0.71	50	50	48.1	50.5	96	101	70-130	5	20			
1,2-Dichloroethane	ug/L	<0.28	50	50	51.1	54.4	102	109	75-140	6	20			
1,2-Dichloropropane	ug/L	<0.28	50	50	50.6	53.2	101	106	71-138	5	20			
1,3-Dichlorobenzene	ug/L	<0.63	50	50	48.8	51.0	98	102	70-130	4	20			
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.5	50.3	97	101	70-130	4	20			

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854409		1854410		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40185933002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzene	ug/L	<0.25	50	50	51.4	55.7	103	111	70-130	8	20		
Bromodichloromethane	ug/L	<0.36	50	50	49.6	51.7	99	103	70-130	4	20		
Bromoform	ug/L	<4.0	50	50	40.7	43.1	81	86	68-129	6	20		
Bromomethane	ug/L	<0.97	50	50	43.1	50.0	86	100	15-170	15	20		
Carbon tetrachloride	ug/L	<0.17	50	50	47.4	50.9	95	102	70-130	7	20		
Chlorobenzene	ug/L	<0.71	50	50	50.4	52.8	101	106	70-130	5	20		
Chloroethane	ug/L	<1.3	50	50	50.4	53.7	101	107	51-148	6	20		
Chloroform	ug/L	<1.3	50	50	50.8	54.8	102	110	74-136	8	20		
Chloromethane	ug/L	<2.2	50	50	37.6	41.7	75	83	23-115	10	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	49.7	53.3	99	107	70-131	7	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.6	51.9	99	104	70-130	5	20		
Dibromochloromethane	ug/L	<2.6	50	50	44.6	47.0	89	94	70-130	5	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	45.2	48.0	90	96	10-132	6	20		
Ethylbenzene	ug/L	<0.22	50	50	52.2	54.9	104	110	80-125	5	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	51.6	54.4	103	109	70-130	5	20		
m&p-Xylene	ug/L	<0.47	100	100	103	108	103	108	70-130	5	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	47.8	51.4	96	103	51-145	7	20		
Methylene Chloride	ug/L	<0.58	50	50	50.3	53.8	101	108	73-140	7	20		
o-Xylene	ug/L	<0.26	50	50	50.8	53.3	102	107	70-130	5	20		
Styrene	ug/L	<0.47	50	50	50.3	52.8	101	106	70-130	5	20		
Tetrachloroethene	ug/L	<0.33	50	50	50.2	52.9	100	106	70-130	5	20		
Toluene	ug/L	<0.17	50	50	50.3	53.6	101	107	80-131	6	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	50.4	53.9	101	108	73-148	7	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	45.6	47.6	91	95	70-130	4	20		
Trichloroethene	ug/L	<0.26	50	50	51.1	53.2	102	106	70-130	4	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	53.9	57.5	108	115	74-147	6	20		
Vinyl chloride	ug/L	<0.17	50	50	48.2	51.6	96	103	41-129	7	20		
4-Bromofluorobenzene (S)	%						100	102	70-130				
Dibromofluoromethane (S)	%						103	107	70-130				
Toluene-d8 (S)	%						101	103	70-130				

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## QUALIFIERS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 OSCAR MAYER

Pace Project No.: 40185994

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40185994001	TS-VAS-001-WG-105-107-20190417	EPA 8260	318837		
40185994002	TB-01-WQ-20190417	EPA 8260	318889		
40185994003	TS-VAS-001-WG-115-117-20190417	EPA 8260	318837		
40185994004	DUP-01-WG-20190417	EPA 8260	318889		
40185994005	TS-VAS-001-WG-125-127-20190417	EPA 8260	318889		
40185994006	TS-VAS-001-WG-135-137-20190417	EPA 8260	318889		

### REPORT OF LABORATORY ANALYSIS

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Pace Analytical - ECCS Division  
2525 Advance Road  
Madison, WI 53718  
608-221-8700 (phone)  
608-221-4889 (fax)

*[Handwritten Signature]*

# CHAIN OF CUSTODY

No. 10439

Page: 1 of 1

40185994

Project Number: 04/1161 PO Number:

Project Name: Oscar Mayer

Project Location (City, State): Madison, WI

Turn Around (check one):  Normal  Rush

If Rush, Report Due Date: 48 Hr Rush on 2 samples

Sampled By (Print): Ryan Plath

Sample Description

Collection	
Date	Time

Matrix  
Total # of Containers

Lab Work Order #: B  
Preservation Codes: B  
Analyses Requested

Report To: RYAN PLATH  
Company: ERM Milwaukee

Address 1: Ryan Plath @erm.com

Address 2: David LeCouteur

E-mail Address: David.lecouteur@erm.com

Invoice To: ERM.com

Company: @erm.com

Address 1:

Address 2:

Comments

Lab ID  
Lab Receipt Time

Sample Description	Collection		Matrix	Total # of Containers	82603-VOC	Date	Time	Received By:	Date:	Time:	Received By:	Date:	Time:	Temp Blank:
	Date	Time												
TS-1AS-001-WG-105-107-20190417	4/17/19	8:15	GW	3	X			<u>David LeCouteur</u>	4/17/19	17:05	<u>David LeCouteur</u>	04-17-19	17:05	<input type="checkbox"/> Y <input type="checkbox"/> N
TB-01-WQ-20190417	4/17/19	8:52	WA	1	X									
TS-VAS-001-WG-115-117-20190417	4/17/19	10:00	GW	1	X									
D00-01-WG-20190417	4/17/19	10:00	GW	1	X									
TS-VAS-001-WG-125-127-20190417	4/17/19	11:55	GW	1	X									
TS-VAS-001-WG-135-137-20190417	4/17/19	14:45	GW	1	X									

Requisitioned By: David LeCouteur  
Date: 4/17/19 Time: 17:05  
Received By: David LeCouteur  
Date: 04-17-19 Time: 17:05

Requisitioned By: David LeCouteur  
Date: 04-17-19 Time: 17:15

Shipped Via: 4/18/19 Receipt Temp: 08:45

Thermometer #/ Exp. Date:

Temp Blank:  Y  N

Rev. 12/15

Client Name: ERM-OSCAR Meyer **Sample Preservation Receipt Form**  
Pete Anderson 4/8/18 Project # 40185994

All containers needing preservation have been checked and noted below:  Yes  No  N/A  
 Lab Lot# of pH paper: \_\_\_\_\_ Lab Std #ID of preservation (if pH adjusted): \_\_\_\_\_

Initial when completed: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Pace Lab #	Glass	Plastic	Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)	
			DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T								ZPLC
001	AG1U																			2.5 / 5 / 10
002	AG1H																			2.5 / 5 / 10
003	AG4S																			2.5 / 5 / 10
004	AG4U																			2.5 / 5 / 10
005	AG5U																			2.5 / 5 / 10
006	AG2S																			2.5 / 5 / 10
007	BG3U																			2.5 / 5 / 10
008																				2.5 / 5 / 10
009																				2.5 / 5 / 10
010																				2.5 / 5 / 10
011																				2.5 / 5 / 10
012																				2.5 / 5 / 10
013																				2.5 / 5 / 10
014																				2.5 / 5 / 10
015																				2.5 / 5 / 10
016																				2.5 / 5 / 10
017																				2.5 / 5 / 10
018																				2.5 / 5 / 10
019																				2.5 / 5 / 10
020																				2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm):  Yes  No  N/A \*If yes look in headspace column

AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN:
1 liter amber glass	1 liter amber glass HCL	125 ml amber glass H2SO4	120 ml amber glass unpres	100 ml amber glass unpres	500 ml amber glass H2SO4	250 ml clear glass unpres	1 liter plastic unpres	500 ml plastic HNO3	500 ml plastic NaOH, Znact	250 ml plastic unpres	250 ml plastic NaOH	250 ml plastic HNO3	250 ml plastic H2SO4	40 ml amber ascorbic	40 ml amber Na Thio	40 ml clear vial unpres	40 ml clear vial HCL	40 ml clear vial MeOH	40 ml clear vial DI	4 oz amber jar unpres	4 oz clear jar unpres	4 oz plastic jar unpres	120 ml plastic Na Thiosulfate	ziploc bag	





1241 Bellevue Street, Green Bay, WI 54302

Document Name:  
Sample Condition Upon Receipt (SCUR)

Document No.:  
F-GB-C-031-Rev.07

Document Revised: 25Apr2018

Issuing Authority:  
Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Client Name:

*ERNA-Oscar 4/18/19*  
*Pace Ant. Jon Mayer*

Project #:

WO#: 40185994

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used SR - NA Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 215 / Corr: \_\_\_\_\_

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:  
Date: 4-18-19  
Initials: JJ

Temp should be above freezing to 6°C.  
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>CC</u>	<u>4-18-19 / K</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.	
Sufficient Volume:		8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	<u>003-006 - heavy sediment</u>
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		<u>4-18-19 / JJ</u>
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.	<u>004 no time</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>			<u>4-18-19 / JJ</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased): <u>423</u>			

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review:

Ant for dm

Date:

4/18/19

May 01, 2019

Ryan Plath  
ERM, INC.  
700 W. Virginia Street  
Suite 601  
Milwaukee, WI 53204

RE: Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Dear Ryan Plath:

Enclosed are the analytical results for sample(s) received by the laboratory on April 17, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: David deCourcy-Bower, ERM, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40185923001	TS-VAS-001-WG-15-17-20190415	Water	04/15/19 15:50	04/17/19 09:40
40185923002	TS-VAS-001-WG-25-27-20190415	Water	04/15/19 17:05	04/17/19 09:40
40185923003	TS-VAS-001-WG-35-37-20190416	Water	04/16/19 09:00	04/17/19 09:40
40185923004	TS-VAS-001-WG-45-47-20190416	Water	04/16/19 09:45	04/17/19 09:40
40185923005	TS-VAS-001-WG-55-57-20190416	Water	04/16/19 10:50	04/17/19 09:40
40185923006	DUP-01-WG-20190416	Water	04/16/19 00:00	04/17/19 09:40
40185923007	TS-VAS-001-WG-65-67-20190416	Water	04/16/19 11:45	04/17/19 09:40
40185923008	TS-VAS-001-WG-75-77-20190416	Water	04/16/19 14:30	04/17/19 09:40
40185923009	TS-VAS-001-WG-85-87-20190416	Water	04/16/19 15:30	04/17/19 09:40
40185923010	TS-MW-175-SO-2.5-3.5-20190415	Solid	04/15/19 10:15	04/17/19 09:40
40185923011	TS-VAS-001-WG-95-97-20190416	Water	04/16/19 16:35	04/17/19 09:40

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40185923001	TS-VAS-001-WG-15-17-20190415	EPA 8260	LAP	64	PASI-G
40185923002	TS-VAS-001-WG-25-27-20190415	EPA 8260	LAP	64	PASI-G
40185923003	TS-VAS-001-WG-35-37-20190416	EPA 8260	LAP	64	PASI-G
40185923004	TS-VAS-001-WG-45-47-20190416	EPA 8260	LAP	64	PASI-G
40185923005	TS-VAS-001-WG-55-57-20190416	EPA 8260	LAP	64	PASI-G
40185923006	DUP-01-WG-20190416	EPA 8260	LAP	64	PASI-G
40185923007	TS-VAS-001-WG-65-67-20190416	EPA 8260	LAP	64	PASI-G
40185923008	TS-VAS-001-WG-75-77-20190416	EPA 8260	LAP	64	PASI-G
40185923009	TS-VAS-001-WG-85-87-20190416	EPA 8260	LAP	64	PASI-G
40185923010	TS-MW-175-SO-2.5-3.5-20190415	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	JXM	1	PASI-G
40185923011	TS-VAS-001-WG-95-97-20190416	EPA 8260	LAP	64	PASI-G

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-15-17-20190415      **Lab ID:** 40185923001      Collected: 04/15/19 15:50      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 17:16	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 17:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 17:16	79-34-5	
1,1,2-Trichloroethane	20.7	ug/L	5.0	0.55	1		04/18/19 17:16	79-00-5	
1,1-Dichloroethane	5.0	ug/L	1.0	0.27	1		04/18/19 17:16	75-34-3	
1,1-Dichloroethene	10.8	ug/L	1.0	0.24	1		04/18/19 17:16	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 17:16	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 17:16	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 17:16	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 17:16	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 17:16	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 17:16	96-12-8	
1,2-Dibromoethane (EDB)	1.7J	ug/L	2.8	0.83	1		04/18/19 17:16	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:16	95-50-1	
1,2-Dichloroethane	64400	ug/L	500	140	500		04/19/19 13:33	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 17:16	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 17:16	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 17:16	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 17:16	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 17:16	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 17:16	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 17:16	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 17:16	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 17:16	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 17:16	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 17:16	74-97-5	
Bromodichloromethane	0.47J	ug/L	1.2	0.36	1		04/18/19 17:16	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 17:16	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 17:16	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 17:16	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:16	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 17:16	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 17:16	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 17:16	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 17:16	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 17:16	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 17:16	75-71-8	
Diisopropyl ether	12.8	ug/L	6.3	1.9	1		04/18/19 17:16	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 17:16	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 17:16	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 17:16	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 17:16	1634-04-4	
Methylene Chloride	0.68J	ug/L	5.0	0.58	1		04/18/19 17:16	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 17:16	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 17:16	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-15-17-20190415      **Lab ID:** 40185923001      Collected: 04/15/19 15:50      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	4.6	ug/L	1.1	0.33	1		04/18/19 17:16	127-18-4	
Toluene	1.3J	ug/L	5.0	0.17	1		04/18/19 17:16	108-88-3	
Trichloroethene	22.2	ug/L	1.0	0.26	1		04/18/19 17:16	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 17:16	75-69-4	
Vinyl chloride	648	ug/L	500	87.3	500		04/19/19 13:33	75-01-4	
cis-1,2-Dichloroethene	12.1	ug/L	1.0	0.27	1		04/18/19 17:16	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 17:16	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 17:16	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:16	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 17:16	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 17:16	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 17:16	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 17:16	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 17:16	98-06-6	
trans-1,2-Dichloroethene	1.3J	ug/L	3.6	1.1	1		04/18/19 17:16	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 17:16	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85	%	70-130		1		04/18/19 17:16	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		04/18/19 17:16	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 17:16	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-25-27-20190415    **Lab ID:** 40185923002    Collected: 04/15/19 17:05    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 17:38	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 17:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 17:38	79-34-5	
1,1,2-Trichloroethane	4.6J	ug/L	5.0	0.55	1		04/18/19 17:38	79-00-5	
1,1-Dichloroethane	0.92J	ug/L	1.0	0.27	1		04/18/19 17:38	75-34-3	
1,1-Dichloroethene	2.3	ug/L	1.0	0.24	1		04/18/19 17:38	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 17:38	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 17:38	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 17:38	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 17:38	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 17:38	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 17:38	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 17:38	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:38	95-50-1	
1,2-Dichloroethane	21700	ug/L	100	28.0	100		04/19/19 13:11	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 17:38	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 17:38	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 17:38	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 17:38	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 17:38	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 17:38	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 17:38	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 17:38	106-43-4	
Benzene	4.4	ug/L	1.0	0.25	1		04/18/19 17:38	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 17:38	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 17:38	74-97-5	
Bromodichloromethane	2.2	ug/L	1.2	0.36	1		04/18/19 17:38	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 17:38	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 17:38	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 17:38	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:38	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 17:38	75-00-3	
Chloroform	1.8J	ug/L	5.0	1.3	1		04/18/19 17:38	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 17:38	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 17:38	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 17:38	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 17:38	75-71-8	
Diisopropyl ether	3.1J	ug/L	6.3	1.9	1		04/18/19 17:38	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 17:38	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 17:38	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 17:38	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 17:38	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 17:38	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 17:38	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 17:38	100-42-5	

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### ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-25-27-20190415    **Lab ID:** 40185923002    Collected: 04/15/19 17:05    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	1.5	ug/L	1.1	0.33	1		04/18/19 17:38	127-18-4	
Toluene	0.47J	ug/L	5.0	0.17	1		04/18/19 17:38	108-88-3	
Trichloroethene	5.8	ug/L	1.0	0.26	1		04/18/19 17:38	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 17:38	75-69-4	
Vinyl chloride	135	ug/L	1.0	0.17	1		04/18/19 17:38	75-01-4	
cis-1,2-Dichloroethene	2.5	ug/L	1.0	0.27	1		04/18/19 17:38	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 17:38	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 17:38	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 17:38	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 17:38	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 17:38	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 17:38	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 17:38	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 17:38	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 17:38	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 17:38	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	84	%	70-130		1		04/18/19 17:38	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		04/18/19 17:38	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 17:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-35-37-20190416      **Lab ID:** 40185923003      Collected: 04/16/19 09:00      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 14:20	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 14:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 14:20	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 14:20	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 14:20	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 14:20	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 14:20	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 14:20	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 14:20	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 14:20	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 14:20	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 14:20	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 14:20	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:20	95-50-1	
1,2-Dichloroethane	8.7	ug/L	1.0	0.28	1		04/18/19 14:20	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 14:20	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 14:20	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 14:20	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 14:20	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 14:20	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 14:20	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 14:20	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 14:20	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 14:20	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 14:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 14:20	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 14:20	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 14:20	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 14:20	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 14:20	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:20	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 14:20	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 14:20	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 14:20	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 14:20	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 14:20	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 14:20	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 14:20	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 14:20	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 14:20	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 14:20	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 14:20	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 14:20	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 14:20	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 14:20	100-42-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-35-37-20190416      **Lab ID:** 40185923003      Collected: 04/16/19 09:00      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 14:20	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 14:20	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 14:20	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 14:20	75-69-4	
Vinyl chloride	<b>0.83J</b>	ug/L	1.0	0.17	1		04/18/19 14:20	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 14:20	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 14:20	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 14:20	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:20	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 14:20	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 14:20	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 14:20	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 14:20	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 14:20	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 14:20	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 14:20	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	84	%	70-130		1		04/18/19 14:20	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/18/19 14:20	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/18/19 14:20	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Sample: **TS-VAS-001-WG-45-47-20190416** Lab ID: **40185923004** Collected: 04/16/19 09:45 Received: 04/17/19 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 14:42	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 14:42	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 14:42	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 14:42	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 14:42	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 14:42	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 14:42	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 14:42	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 14:42	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 14:42	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 14:42	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 14:42	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 14:42	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:42	95-50-1	
1,2-Dichloroethane	14.6	ug/L	1.0	0.28	1		04/18/19 14:42	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 14:42	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 14:42	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 14:42	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 14:42	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 14:42	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 14:42	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 14:42	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 14:42	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 14:42	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 14:42	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 14:42	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 14:42	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 14:42	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 14:42	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 14:42	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:42	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 14:42	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 14:42	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 14:42	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 14:42	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 14:42	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 14:42	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 14:42	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 14:42	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 14:42	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 14:42	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 14:42	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 14:42	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 14:42	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 14:42	100-42-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-45-47-20190416      **Lab ID:** 40185923004      Collected: 04/16/19 09:45      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 14:42	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 14:42	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 14:42	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 14:42	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/18/19 14:42	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 14:42	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 14:42	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 14:42	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 14:42	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 14:42	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 14:42	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 14:42	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 14:42	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 14:42	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 14:42	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 14:42	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	78	%	70-130		1		04/18/19 14:42	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/18/19 14:42	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 14:42	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Sample: **TS-VAS-001-WG-55-57-20190416** Lab ID: **40185923005** Collected: 04/16/19 10:50 Received: 04/17/19 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:04	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 15:04	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:04	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 15:04	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:04	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:04	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 15:04	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 15:04	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 15:04	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 15:04	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 15:04	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 15:04	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 15:04	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:04	95-50-1	
1,2-Dichloroethane	0.94J	ug/L	1.0	0.28	1		04/18/19 15:04	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:04	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 15:04	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 15:04	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 15:04	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 15:04	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 15:04	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 15:04	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 15:04	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 15:04	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:04	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 15:04	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 15:04	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 15:04	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 15:04	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 15:04	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:04	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 15:04	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 15:04	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 15:04	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 15:04	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 15:04	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 15:04	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 15:04	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 15:04	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:04	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 15:04	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 15:04	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 15:04	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:04	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 15:04	100-42-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-55-57-20190416    **Lab ID:** 40185923005    Collected: 04/16/19 10:50    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 15:04	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 15:04	108-88-3	
Trichloroethene	0.38J	ug/L	1.0	0.26	1		04/18/19 15:04	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 15:04	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/18/19 15:04	75-01-4	
cis-1,2-Dichloroethene	0.70J	ug/L	1.0	0.27	1		04/18/19 15:04	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 15:04	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 15:04	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:04	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 15:04	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 15:04	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 15:04	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 15:04	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 15:04	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 15:04	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 15:04	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	80	%	70-130		1		04/18/19 15:04	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		04/18/19 15:04	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		04/18/19 15:04	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Sample: DUP-01-WG-20190416 Lab ID: 40185923006 Collected: 04/16/19 00:00 Received: 04/17/19 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:26	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 15:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:26	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 15:26	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:26	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:26	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 15:26	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 15:26	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 15:26	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 15:26	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 15:26	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 15:26	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 15:26	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:26	95-50-1	
1,2-Dichloroethane	1.7	ug/L	1.0	0.28	1		04/18/19 15:26	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:26	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 15:26	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 15:26	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 15:26	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 15:26	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 15:26	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 15:26	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 15:26	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 15:26	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:26	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 15:26	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 15:26	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 15:26	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 15:26	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 15:26	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:26	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 15:26	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 15:26	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 15:26	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 15:26	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 15:26	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 15:26	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 15:26	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 15:26	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:26	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 15:26	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 15:26	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 15:26	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:26	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 15:26	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 15:26	127-18-4	

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### ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample: DUP-01-WG-20190416**      **Lab ID: 40185923006**      Collected: 04/16/19 00:00      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 15:26	108-88-3	
Trichloroethene	0.39J	ug/L	1.0	0.26	1		04/18/19 15:26	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 15:26	75-69-4	
Vinyl chloride	0.23J	ug/L	1.0	0.17	1		04/18/19 15:26	75-01-4	
cis-1,2-Dichloroethene	0.87J	ug/L	1.0	0.27	1		04/18/19 15:26	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 15:26	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 15:26	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:26	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 15:26	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 15:26	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 15:26	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 15:26	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 15:26	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 15:26	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 15:26	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	79	%	70-130		1		04/18/19 15:26	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		04/18/19 15:26	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 15:26	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Sample: **TS-VAS-001-WG-65-67-20190416** Lab ID: **40185923007** Collected: 04/16/19 11:45 Received: 04/17/19 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:48	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 15:48	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:48	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 15:48	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 15:48	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:48	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 15:48	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 15:48	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 15:48	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 15:48	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 15:48	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 15:48	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 15:48	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:48	95-50-1	
1,2-Dichloroethane	0.64J	ug/L	1.0	0.28	1		04/18/19 15:48	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 15:48	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 15:48	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 15:48	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 15:48	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 15:48	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 15:48	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 15:48	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 15:48	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 15:48	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 15:48	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 15:48	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 15:48	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 15:48	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 15:48	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 15:48	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:48	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 15:48	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 15:48	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 15:48	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 15:48	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 15:48	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 15:48	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 15:48	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 15:48	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:48	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 15:48	98-82-8	
Methyl-tert-butyl ether	5.7	ug/L	4.2	1.2	1		04/18/19 15:48	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 15:48	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 15:48	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 15:48	100-42-5	

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### ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-65-67-20190416    **Lab ID:** 40185923007    Collected: 04/16/19 11:45    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 15:48	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 15:48	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 15:48	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 15:48	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/18/19 15:48	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 15:48	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 15:48	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 15:48	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 15:48	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 15:48	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 15:48	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 15:48	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 15:48	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 15:48	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 15:48	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 15:48	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	84	%	70-130		1		04/18/19 15:48	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/18/19 15:48	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		04/18/19 15:48	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Sample: **TS-VAS-001-WG-75-77-20190416** Lab ID: **40185923008** Collected: 04/16/19 14:30 Received: 04/17/19 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:10	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 16:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:10	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 16:10	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:10	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:10	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 16:10	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 16:10	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 16:10	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 16:10	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 16:10	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 16:10	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 16:10	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:10	95-50-1	
1,2-Dichloroethane	10.9	ug/L	1.0	0.28	1		04/18/19 16:10	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:10	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 16:10	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 16:10	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 16:10	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 16:10	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 16:10	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 16:10	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 16:10	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 16:10	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:10	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 16:10	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 16:10	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 16:10	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 16:10	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 16:10	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:10	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 16:10	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 16:10	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 16:10	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 16:10	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 16:10	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 16:10	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 16:10	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 16:10	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:10	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 16:10	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 16:10	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 16:10	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:10	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 16:10	100-42-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-75-77-20190416    **Lab ID:** 40185923008    Collected: 04/16/19 14:30    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 16:10	127-18-4	
Toluene	0.24J	ug/L	5.0	0.17	1		04/18/19 16:10	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:10	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 16:10	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/18/19 16:10	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 16:10	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 16:10	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 16:10	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:10	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 16:10	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:10	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 16:10	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 16:10	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 16:10	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 16:10	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 16:10	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	82	%	70-130		1		04/18/19 16:10	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/18/19 16:10	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 16:10	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-85-87-20190416      **Lab ID:** 40185923009      Collected: 04/16/19 15:30      Received: 04/17/19 09:40      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:32	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 16:32	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:32	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 16:32	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:32	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:32	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 16:32	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 16:32	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 16:32	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 16:32	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 16:32	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 16:32	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 16:32	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:32	95-50-1	
1,2-Dichloroethane	40.6	ug/L	1.0	0.28	1		04/18/19 16:32	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:32	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 16:32	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 16:32	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 16:32	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 16:32	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 16:32	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 16:32	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 16:32	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 16:32	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:32	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 16:32	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 16:32	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 16:32	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 16:32	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 16:32	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:32	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 16:32	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 16:32	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 16:32	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 16:32	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 16:32	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 16:32	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 16:32	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 16:32	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:32	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 16:32	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 16:32	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 16:32	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:32	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 16:32	100-42-5	

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### ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-85-87-20190416    **Lab ID:** 40185923009    Collected: 04/16/19 15:30    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 16:32	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 16:32	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:32	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 16:32	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/18/19 16:32	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 16:32	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 16:32	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 16:32	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:32	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 16:32	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:32	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 16:32	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 16:32	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 16:32	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 16:32	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 16:32	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	77	%	70-130		1		04/18/19 16:32	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		04/18/19 16:32	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/18/19 16:32	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Sample: **TS-MW-175-SO-2.5-3.5-20190415** Lab ID: **40185923010** Collected: 04/15/19 10:15 Received: 04/17/19 09:40 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	71-43-2	W
Bromobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	108-86-1	W
Bromochloromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	74-97-5	W
Bromodichloromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-27-4	W
Bromoform	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-25-2	W
Bromomethane	<71.3	ug/kg	255	71.3	1	04/19/19 10:00	04/20/19 00:33	74-83-9	W
n-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	104-51-8	W
sec-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	135-98-8	W
tert-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	98-06-6	W
Carbon tetrachloride	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	56-23-5	W
Chlorobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	108-90-7	W
Chloroethane	<68.4	ug/kg	255	68.4	1	04/19/19 10:00	04/20/19 00:33	75-00-3	W
Chloroform	<47.4	ug/kg	255	47.4	1	04/19/19 10:00	04/20/19 00:33	67-66-3	W
Chloromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	74-87-3	W
2-Chlorotoluene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	95-49-8	W
4-Chlorotoluene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	106-43-4	W
1,2-Dibromo-3-chloropropane	<93.1	ug/kg	255	93.1	1	04/19/19 10:00	04/20/19 00:33	96-12-8	W
Dibromochloromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	124-48-1	W
1,2-Dibromoethane (EDB)	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	106-93-4	W
Dibromomethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	74-95-3	W
1,2-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	95-50-1	W
1,3-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	541-73-1	W
1,4-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	106-46-7	W
Dichlorodifluoromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-71-8	W
1,1-Dichloroethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-34-3	W
1,2-Dichloroethane	94.6	ug/kg	82.4	34.3	1	04/19/19 10:00	04/20/19 00:33	107-06-2	
1,1-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-35-4	W
cis-1,2-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	156-59-2	W
trans-1,2-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	156-60-5	W
1,2-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	78-87-5	W
1,3-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	142-28-9	W
2,2-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	594-20-7	W
1,1-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	563-58-6	W
cis-1,3-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	10061-01-5	W
trans-1,3-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	10061-02-6	W
Diisopropyl ether	157	ug/kg	82.4	34.3	1	04/19/19 10:00	04/20/19 00:33	108-20-3	
Ethylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	100-41-4	W
Hexachloro-1,3-butadiene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	87-68-3	W
Isopropylbenzene (Cumene)	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	98-82-8	W
p-Isopropyltoluene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	99-87-6	W
Methylene Chloride	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-09-2	W
Methyl-tert-butyl ether	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	1634-04-4	W
Naphthalene	<40.9	ug/kg	255	40.9	1	04/19/19 10:00	04/20/19 00:33	91-20-3	W
n-Propylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	103-65-1	W

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Sample: TS-MW-175-SO-2.5-3.5-20190415 Lab ID: 40185923010 Collected: 04/15/19 10:15 Received: 04/17/19 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Styrene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	79-34-5	W
Tetrachloroethene	647	ug/kg	82.4	34.3	1	04/19/19 10:00	04/20/19 00:33	127-18-4	
Toluene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	108-88-3	W
1,2,3-Trichlorobenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	87-61-6	W
1,2,4-Trichlorobenzene	<48.5	ug/kg	255	48.5	1	04/19/19 10:00	04/20/19 00:33	120-82-1	W
1,1,1-Trichloroethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	71-55-6	W
1,1,2-Trichloroethane	60.2J	ug/kg	82.4	34.3	1	04/19/19 10:00	04/20/19 00:33	79-00-5	
Trichloroethene	176	ug/kg	82.4	34.3	1	04/19/19 10:00	04/20/19 00:33	79-01-6	
Trichlorofluoromethane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-69-4	W
1,2,3-Trichloropropane	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	96-18-4	W
1,2,4-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	95-63-6	W
1,3,5-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	108-67-8	W
Vinyl chloride	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	75-01-4	W
m&p-Xylene	<51.0	ug/kg	122	51.0	1	04/19/19 10:00	04/20/19 00:33	179601-23-1	W
o-Xylene	<25.5	ug/kg	61.2	25.5	1	04/19/19 10:00	04/20/19 00:33	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	97	%	57-146		1	04/19/19 10:00	04/20/19 00:33	1868-53-7	
Toluene-d8 (S)	96	%	64-134		1	04/19/19 10:00	04/20/19 00:33	2037-26-5	
4-Bromofluorobenzene (S)	106	%	54-126		1	04/19/19 10:00	04/20/19 00:33	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	25.7	%	0.10	0.10	1		04/29/19 10:06		

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## ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Sample: **TS-VAS-001-WG-95-97-20190416** Lab ID: **40185923011** Collected: 04/16/19 16:35 Received: 04/17/19 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:54	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/18/19 16:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:54	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/18/19 16:54	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/18/19 16:54	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:54	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/18/19 16:54	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/18/19 16:54	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/18/19 16:54	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/18/19 16:54	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/18/19 16:54	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/18/19 16:54	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/18/19 16:54	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:54	95-50-1	
1,2-Dichloroethane	2220	ug/L	50.0	14.0	50		04/19/19 12:49	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/18/19 16:54	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/18/19 16:54	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/18/19 16:54	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/18/19 16:54	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/18/19 16:54	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/18/19 16:54	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/18/19 16:54	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/18/19 16:54	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/18/19 16:54	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/18/19 16:54	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/18/19 16:54	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/18/19 16:54	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/18/19 16:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/18/19 16:54	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/18/19 16:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/18/19 16:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/18/19 16:54	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/18/19 16:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/18/19 16:54	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/18/19 16:54	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/18/19 16:54	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/18/19 16:54	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/18/19 16:54	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:54	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/18/19 16:54	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/18/19 16:54	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/18/19 16:54	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/18/19 16:54	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/18/19 16:54	100-42-5	

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### ANALYTICAL RESULTS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

**Sample:** TS-VAS-001-WG-95-97-20190416    **Lab ID:** 40185923011    Collected: 04/16/19 16:35    Received: 04/17/19 09:40    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/18/19 16:54	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		04/18/19 16:54	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:54	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/18/19 16:54	75-69-4	
Vinyl chloride	0.38J	ug/L	1.0	0.17	1		04/18/19 16:54	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/18/19 16:54	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/18/19 16:54	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/18/19 16:54	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/18/19 16:54	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/18/19 16:54	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/18/19 16:54	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/18/19 16:54	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/18/19 16:54	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/18/19 16:54	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/18/19 16:54	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/18/19 16:54	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85	%	70-130		1		04/18/19 16:54	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/18/19 16:54	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/18/19 16:54	2037-26-5	

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

QC Batch: 318952 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Associated Lab Samples: 40185923010

METHOD BLANK: 1853496 Matrix: Solid  
Associated Lab Samples: 40185923010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/19/19 10:23	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/19/19 10:23	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/19/19 10:23	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/19/19 10:23	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/19/19 10:23	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/19/19 10:23	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/19/19 10:23	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	04/19/19 10:23	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/19/19 10:23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/19/19 10:23	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/19/19 10:23	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/19/19 10:23	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/19/19 10:23	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/19/19 10:23	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/19/19 10:23	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/19/19 10:23	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/19/19 10:23	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/19/19 10:23	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/19/19 10:23	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/19/19 10:23	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/19/19 10:23	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/19/19 10:23	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/19/19 10:23	
Benzene	ug/kg	<9.2	20.0	04/19/19 10:23	
Bromobenzene	ug/kg	<20.6	50.0	04/19/19 10:23	
Bromochloromethane	ug/kg	<21.4	50.0	04/19/19 10:23	
Bromodichloromethane	ug/kg	<9.8	50.0	04/19/19 10:23	
Bromoform	ug/kg	<19.8	50.0	04/19/19 10:23	
Bromomethane	ug/kg	<69.9	250	04/19/19 10:23	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/19/19 10:23	
Chlorobenzene	ug/kg	<14.8	50.0	04/19/19 10:23	
Chloroethane	ug/kg	<67.0	250	04/19/19 10:23	
Chloroform	ug/kg	<46.4	250	04/19/19 10:23	
Chloromethane	ug/kg	<20.4	50.0	04/19/19 10:23	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/19/19 10:23	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/19/19 10:23	
Dibromochloromethane	ug/kg	<17.9	50.0	04/19/19 10:23	
Dibromomethane	ug/kg	<19.3	50.0	04/19/19 10:23	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/19/19 10:23	
Diisopropyl ether	ug/kg	<17.7	50.0	04/19/19 10:23	
Ethylbenzene	ug/kg	<12.4	50.0	04/19/19 10:23	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

METHOD BLANK: 1853496

Matrix: Solid

Associated Lab Samples: 40185923010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	04/19/19 10:23	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/19/19 10:23	
m&p-Xylene	ug/kg	<34.4	100	04/19/19 10:23	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/19/19 10:23	
Methylene Chloride	ug/kg	<16.2	50.0	04/19/19 10:23	
n-Butylbenzene	ug/kg	<10.5	50.0	04/19/19 10:23	
n-Propylbenzene	ug/kg	<11.6	50.0	04/19/19 10:23	
Naphthalene	ug/kg	<40.0	250	04/19/19 10:23	
o-Xylene	ug/kg	<14.0	50.0	04/19/19 10:23	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/19/19 10:23	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/19/19 10:23	
Styrene	ug/kg	<9.0	50.0	04/19/19 10:23	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/19/19 10:23	
Tetrachloroethene	ug/kg	<12.9	50.0	04/19/19 10:23	
Toluene	ug/kg	<11.2	50.0	04/19/19 10:23	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/19/19 10:23	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/19/19 10:23	
Trichloroethene	ug/kg	<23.6	50.0	04/19/19 10:23	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/19/19 10:23	
Vinyl chloride	ug/kg	<21.1	50.0	04/19/19 10:23	
4-Bromofluorobenzene (S)	%	114	54-126	04/19/19 10:23	
Dibromofluoromethane (S)	%	101	57-146	04/19/19 10:23	
Toluene-d8 (S)	%	101	64-134	04/19/19 10:23	

LABORATORY CONTROL SAMPLE: 1853497

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	2500	2310	92	70-130	
1,1,1-Trichloroethane	ug/kg	2500	2340	94	70-132	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2670	107	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2450	98	70-130	
1,1-Dichloroethane	ug/kg	2500	2570	103	70-130	
1,1-Dichloroethene	ug/kg	2500	2480	99	77-126	
1,1-Dichloropropene	ug/kg	2500	2420	97	70-130	
1,2,3-Trichlorobenzene	ug/kg	2500	1890	76	70-130	
1,2,3-Trichloropropane	ug/kg	2500	2780	111	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2070	83	66-130	
1,2,4-Trimethylbenzene	ug/kg	2500	2690	108	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1980	79	54-129	
1,2-Dibromoethane (EDB)	ug/kg	2500	2440	98	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2420	97	70-130	
1,2-Dichloroethane	ug/kg	2500	2700	108	70-134	
1,2-Dichloropropane	ug/kg	2500	2700	108	74-124	
1,3,5-Trimethylbenzene	ug/kg	2500	2690	108	70-130	

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

LABORATORY CONTROL SAMPLE: 1853497

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/kg	2500	2580	103	70-130	
1,3-Dichloropropane	ug/kg	2500	2520	101	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2400	96	70-130	
2,2-Dichloropropane	ug/kg	2500	2230	89	70-130	
2-Chlorotoluene	ug/kg	2500	2680	107	70-130	
4-Chlorotoluene	ug/kg	2500	2560	102	70-130	
Benzene	ug/kg	2500	2600	104	70-130	
Bromobenzene	ug/kg	2500	2690	108	70-130	
Bromochloromethane	ug/kg	2500	2330	93	70-130	
Bromodichloromethane	ug/kg	2500	2580	103	70-130	
Bromoform	ug/kg	2500	2260	90	47-115	
Bromomethane	ug/kg	2500	2370	95	64-165	
Carbon tetrachloride	ug/kg	2500	2160	86	70-131	
Chlorobenzene	ug/kg	2500	2500	100	70-130	
Chloroethane	ug/kg	2500	2690	108	28-197	
Chloroform	ug/kg	2500	2560	102	80-131	
Chloromethane	ug/kg	2500	2420	97	45-118	
cis-1,2-Dichloroethene	ug/kg	2500	2440	97	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2590	103	70-130	
Dibromochloromethane	ug/kg	2500	2270	91	70-130	
Dibromomethane	ug/kg	2500	2700	108	70-130	
Dichlorodifluoromethane	ug/kg	2500	2130	85	38-108	
Diisopropyl ether	ug/kg	2500	2630	105	70-130	
Ethylbenzene	ug/kg	2500	2550	102	82-122	
Hexachloro-1,3-butadiene	ug/kg	2500	2230	89	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2620	105	70-130	
m&p-Xylene	ug/kg	5000	5160	103	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2490	100	70-130	
Methylene Chloride	ug/kg	2500	2710	108	70-130	
n-Butylbenzene	ug/kg	2500	2800	112	70-130	
n-Propylbenzene	ug/kg	2500	2790	112	70-130	
Naphthalene	ug/kg	2500	1870	75	70-130	
o-Xylene	ug/kg	2500	2530	101	70-130	
p-Isopropyltoluene	ug/kg	2500	2620	105	70-130	
sec-Butylbenzene	ug/kg	2500	2670	107	70-130	
Styrene	ug/kg	2500	2800	112	70-130	
tert-Butylbenzene	ug/kg	2500	2620	105	70-130	
Tetrachloroethene	ug/kg	2500	2210	88	70-130	
Toluene	ug/kg	2500	2350	94	80-121	
trans-1,2-Dichloroethene	ug/kg	2500	2410	96	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2320	93	70-130	
Trichloroethene	ug/kg	2500	2480	99	70-130	
Trichlorofluoromethane	ug/kg	2500	2490	100	81-141	
Vinyl chloride	ug/kg	2500	2400	96	68-121	
4-Bromofluorobenzene (S)	%			112	54-126	
Dibromofluoromethane (S)	%			101	57-146	
Toluene-d8 (S)	%			97	64-134	

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1853498		1853499								
Parameter	Units	40185959025		MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
1,1,1-Trichloroethane	ug/kg	<25.0	1300	1300	1300	1140	1220	88	94	64-132	7	20
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1300	1300	1300	1460	1470	112	113	70-132	1	20
1,1,2-Trichloroethane	ug/kg	<25.0	1300	1300	1300	1300	1290	100	99	70-130	1	20
1,1-Dichloroethane	ug/kg	<25.0	1300	1300	1300	1280	1310	99	101	70-130	3	20
1,1-Dichloroethene	ug/kg	<25.0	1300	1300	1300	1170	1320	90	102	65-126	12	21
1,2,4-Trichlorobenzene	ug/kg	<47.6	1300	1300	1300	1120	1150	86	88	66-139	3	20
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1300	1300	1300	1010	1050	78	81	47-146	3	23
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1300	1300	1300	1260	1310	97	101	70-130	5	20
1,2-Dichlorobenzene	ug/kg	<25.0	1300	1300	1300	1270	1330	98	103	70-130	5	20
1,2-Dichloroethane	ug/kg	<25.0	1300	1300	1300	1390	1410	107	109	70-136	2	20
1,2-Dichloropropane	ug/kg	<25.0	1300	1300	1300	1340	1410	104	109	74-124	5	20
1,3-Dichlorobenzene	ug/kg	<25.0	1300	1300	1300	1340	1400	104	108	70-130	4	20
1,4-Dichlorobenzene	ug/kg	<25.0	1300	1300	1300	1280	1330	98	103	70-130	4	20
Benzene	ug/kg	<25.0	1300	1300	1300	1290	1350	99	104	70-130	5	20
Bromodichloromethane	ug/kg	<25.0	1300	1300	1300	1280	1300	98	100	70-130	2	20
Bromoform	ug/kg	<25.0	1300	1300	1300	1110	1170	86	90	47-129	5	20
Bromomethane	ug/kg	<69.9	1300	1300	1300	1290	1310	99	101	41-180	2	20
Carbon tetrachloride	ug/kg	<25.0	1300	1300	1300	1030	1030	79	80	58-133	0	20
Chlorobenzene	ug/kg	<25.0	1300	1300	1300	1300	1360	100	105	70-130	5	20
Chloroethane	ug/kg	<67.0	1300	1300	1300	1370	1440	105	111	28-197	5	20
Chloroform	ug/kg	<46.4	1300	1300	1300	1260	1360	97	105	80-131	8	20
Chloromethane	ug/kg	<25.0	1300	1300	1300	1290	1350	99	104	26-118	5	20
cis-1,2-Dichloroethene	ug/kg	<25.0	1300	1300	1300	1210	1310	93	101	70-130	8	20
cis-1,3-Dichloropropene	ug/kg	<25.0	1300	1300	1300	1310	1320	101	102	70-130	1	20
Dibromochloromethane	ug/kg	<25.0	1300	1300	1300	1100	1160	85	89	67-130	5	20
Dichlorodifluoromethane	ug/kg	<25.0	1300	1300	1300	1180	1280	91	99	12-108	8	29
Ethylbenzene	ug/kg	<25.0	1300	1300	1300	1260	1310	97	101	80-122	4	20
Isopropylbenzene (Cumene)	ug/kg	<25.0	1300	1300	1300	1270	1360	98	105	70-130	7	20
m&p-Xylene	ug/kg	<50.0	2590	2590	2590	2600	2730	100	105	70-130	5	20
Methyl-tert-butyl ether	ug/kg	<25.0	1300	1300	1300	1310	1350	101	104	70-130	3	20
Methylene Chloride	ug/kg	<25.0	1300	1300	1300	1350	1440	104	111	70-130	6	20
o-Xylene	ug/kg	<25.0	1300	1300	1300	1280	1350	99	104	70-130	5	20
Styrene	ug/kg	<25.0	1300	1300	1300	1380	1460	107	112	70-130	5	20
Tetrachloroethene	ug/kg	287	1300	1300	1300	1380	1480	84	92	70-130	7	20
Toluene	ug/kg	<25.0	1300	1300	1300	1210	1230	93	94	80-121	2	20
trans-1,2-Dichloroethene	ug/kg	<25.0	1300	1300	1300	1210	1320	94	102	70-130	8	20
trans-1,3-Dichloropropene	ug/kg	<25.0	1300	1300	1300	1140	1160	88	89	70-130	2	20
Trichloroethene	ug/kg	<25.0	1300	1300	1300	1270	1290	97	98	70-130	1	20
Trichlorofluoromethane	ug/kg	<25.0	1300	1300	1300	1510	1360	116	105	60-141	10	26
Vinyl chloride	ug/kg	<25.0	1300	1300	1300	1260	1320	97	102	46-121	5	20
4-Bromofluorobenzene (S)	%							100	102	54-126		
Dibromofluoromethane (S)	%							87	90	57-146		
Toluene-d8 (S)	%							85	87	64-134		

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

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QC Batch: 318697 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40185923001, 40185923002, 40185923003, 40185923004, 40185923005, 40185923006, 40185923007, 40185923008, 40185923009, 40185923011

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METHOD BLANK: 1852007 Matrix: Water  
Associated Lab Samples: 40185923001, 40185923002, 40185923003, 40185923004, 40185923005, 40185923006, 40185923007, 40185923008, 40185923009, 40185923011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/18/19 09:12	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/18/19 09:12	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/18/19 09:12	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/18/19 09:12	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/18/19 09:12	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/18/19 09:12	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/18/19 09:12	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	04/18/19 09:12	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/18/19 09:12	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/18/19 09:12	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/18/19 09:12	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/18/19 09:12	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/18/19 09:12	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/18/19 09:12	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/18/19 09:12	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/18/19 09:12	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/18/19 09:12	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/18/19 09:12	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/18/19 09:12	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/18/19 09:12	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/18/19 09:12	
2-Chlorotoluene	ug/L	<0.93	5.0	04/18/19 09:12	
4-Chlorotoluene	ug/L	<0.76	2.5	04/18/19 09:12	
Benzene	ug/L	<0.25	1.0	04/18/19 09:12	
Bromobenzene	ug/L	<0.24	1.0	04/18/19 09:12	
Bromochloromethane	ug/L	<0.36	5.0	04/18/19 09:12	
Bromodichloromethane	ug/L	<0.36	1.2	04/18/19 09:12	
Bromoform	ug/L	<4.0	13.2	04/18/19 09:12	
Bromomethane	ug/L	<0.97	5.0	04/18/19 09:12	
Carbon tetrachloride	ug/L	<0.17	1.0	04/18/19 09:12	
Chlorobenzene	ug/L	<0.71	2.4	04/18/19 09:12	
Chloroethane	ug/L	<1.3	5.0	04/18/19 09:12	
Chloroform	ug/L	<1.3	5.0	04/18/19 09:12	
Chloromethane	ug/L	<2.2	7.3	04/18/19 09:12	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/18/19 09:12	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/18/19 09:12	
Dibromochloromethane	ug/L	<2.6	8.7	04/18/19 09:12	
Dibromomethane	ug/L	<0.94	3.1	04/18/19 09:12	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/18/19 09:12	
Diisopropyl ether	ug/L	<1.9	6.3	04/18/19 09:12	

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

METHOD BLANK: 1852007

Matrix: Water

Associated Lab Samples: 40185923001, 40185923002, 40185923003, 40185923004, 40185923005, 40185923006, 40185923007, 40185923008, 40185923009, 40185923011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	04/18/19 09:12	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	04/18/19 09:12	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	04/18/19 09:12	
m&p-Xylene	ug/L	<0.47	2.0	04/18/19 09:12	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/18/19 09:12	
Methylene Chloride	ug/L	<0.58	5.0	04/18/19 09:12	
n-Butylbenzene	ug/L	<0.71	2.4	04/18/19 09:12	
n-Propylbenzene	ug/L	<0.81	5.0	04/18/19 09:12	
Naphthalene	ug/L	<1.2	5.0	04/18/19 09:12	
o-Xylene	ug/L	<0.26	1.0	04/18/19 09:12	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/18/19 09:12	
sec-Butylbenzene	ug/L	<0.85	5.0	04/18/19 09:12	
Styrene	ug/L	<0.47	1.6	04/18/19 09:12	
tert-Butylbenzene	ug/L	<0.30	1.0	04/18/19 09:12	
Tetrachloroethene	ug/L	<0.33	1.1	04/18/19 09:12	
Toluene	ug/L	<0.17	5.0	04/18/19 09:12	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	04/18/19 09:12	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/18/19 09:12	
Trichloroethene	ug/L	<0.26	1.0	04/18/19 09:12	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/18/19 09:12	
Vinyl chloride	ug/L	<0.17	1.0	04/18/19 09:12	
4-Bromofluorobenzene (S)	%	83	70-130	04/18/19 09:12	
Dibromofluoromethane (S)	%	97	70-130	04/18/19 09:12	
Toluene-d8 (S)	%	97	70-130	04/18/19 09:12	

LABORATORY CONTROL SAMPLE: 1852008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.9	100	70-130	
1,1,2-Trichloroethane	ug/L	50	51.4	103	70-130	
1,1-Dichloroethane	ug/L	50	48.9	98	73-150	
1,1-Dichloroethene	ug/L	50	46.6	93	73-138	
1,2,4-Trichlorobenzene	ug/L	50	39.5	79	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.8	98	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,2-Dichloroethane	ug/L	50	51.6	103	75-140	
1,2-Dichloropropane	ug/L	50	53.7	107	73-135	
1,3-Dichlorobenzene	ug/L	50	46.8	94	70-130	
1,4-Dichlorobenzene	ug/L	50	49.6	99	70-130	
Benzene	ug/L	50	52.7	105	70-130	
Bromodichloromethane	ug/L	50	52.6	105	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

LABORATORY CONTROL SAMPLE: 1852008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	48.3	97	68-129	
Bromomethane	ug/L	50	45.6	91	18-159	
Carbon tetrachloride	ug/L	50	47.9	96	70-130	
Chlorobenzene	ug/L	50	49.7	99	70-130	
Chloroethane	ug/L	50	44.0	88	53-147	
Chloroform	ug/L	50	51.2	102	74-136	
Chloromethane	ug/L	50	44.1	88	29-115	
cis-1,2-Dichloroethene	ug/L	50	45.8	92	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.1	104	70-130	
Dibromochloromethane	ug/L	50	52.7	105	70-130	
Dichlorodifluoromethane	ug/L	50	39.2	78	10-130	
Ethylbenzene	ug/L	50	53.1	106	80-124	
Isopropylbenzene (Cumene)	ug/L	50	54.4	109	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl-tert-butyl ether	ug/L	50	45.7	91	54-137	
Methylene Chloride	ug/L	50	45.7	91	73-138	
o-Xylene	ug/L	50	53.0	106	70-130	
Styrene	ug/L	50	50.1	100	70-130	
Tetrachloroethene	ug/L	50	49.6	99	70-130	
Toluene	ug/L	50	52.5	105	80-126	
trans-1,2-Dichloroethene	ug/L	50	46.9	94	73-145	
trans-1,3-Dichloropropene	ug/L	50	47.8	96	70-130	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	46.9	94	76-147	
Vinyl chloride	ug/L	50	46.5	93	51-120	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1852396 1852397

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40185893023 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.24	50	50	54.0	55.2	108	110	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	50.3	50.4	101	101	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	52.1	52.7	104	105	70-137	1	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	49.9	50.5	100	101	73-153	1	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	47.1	47.6	94	95	73-138	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	41.4	41.3	83	83	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	46.9	48.1	94	96	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	51.5	49.3	103	99	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	49.5	48.1	99	96	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	51.8	53.1	104	106	75-140	2	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	52.7	54.4	105	109	71-138	3	20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

Parameter	Units	1852396		1852397		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40185893023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,3-Dichlorobenzene	ug/L	<0.63	50	50	48.7	47.5	97	95	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.9	50.7	102	101	70-130	0	20	
Benzene	ug/L	<0.25	50	50	52.8	53.9	106	108	70-130	2	20	
Bromodichloromethane	ug/L	<0.36	50	50	51.3	52.2	103	104	70-130	2	20	
Bromoform	ug/L	<4.0	50	50	48.8	49.6	98	99	68-129	2	20	
Bromomethane	ug/L	<0.97	50	50	47.9	46.9	96	94	15-170	2	20	
Carbon tetrachloride	ug/L	<0.17	50	50	48.9	49.4	98	99	70-130	1	20	
Chlorobenzene	ug/L	<0.71	50	50	50.0	50.5	100	101	70-130	1	20	
Chloroethane	ug/L	<1.3	50	50	44.6	45.3	89	91	51-148	2	20	
Chloroform	ug/L	<1.3	50	50	51.7	52.6	103	105	74-136	2	20	
Chloromethane	ug/L	<2.2	50	50	44.4	45.3	89	91	23-115	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	46.4	47.3	93	95	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	50.6	52.6	101	105	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	51.8	52.1	104	104	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	38.4	38.6	77	77	10-132	0	20	
Ethylbenzene	ug/L	<0.22	50	50	53.1	53.7	106	107	80-125	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.4	54.6	107	109	70-130	2	20	
m&p-Xylene	ug/L	<0.47	100	100	104	105	104	105	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	46.0	46.9	92	94	51-145	2	20	
Methylene Chloride	ug/L	<0.58	50	50	47.4	47.3	95	95	73-140	0	20	
o-Xylene	ug/L	<0.26	50	50	51.0	53.3	102	107	70-130	4	20	
Styrene	ug/L	<0.47	50	50	49.6	49.5	99	99	70-130	0	20	
Tetrachloroethene	ug/L	<0.33	50	50	49.0	49.4	98	99	70-130	1	20	
Toluene	ug/L	<0.17	50	50	51.6	52.2	103	104	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	47.7	49.2	95	98	73-148	3	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	47.2	47.9	94	96	70-130	1	20	
Trichloroethene	ug/L	<0.26	50	50	53.3	54.2	107	108	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	47.7	47.1	95	94	74-147	1	20	
Vinyl chloride	ug/L	<0.17	50	50	47.3	47.7	95	95	41-129	1	20	
4-Bromofluorobenzene (S)	%						95	96	70-130			
Dibromofluoromethane (S)	%						100	99	70-130			
Toluene-d8 (S)	%						95	95	70-130			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

QC Batch: 319715

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40185923010

SAMPLE DUPLICATE: 1858005

Parameter	Units	40186186006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.2	18.1	0	10	

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## QUALIFIERS

Project: 0411661 OSCAR MAYER

Pace Project No.: 40185923

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 0411661 OSCAR MAYER  
Pace Project No.: 40185923

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40185923010	TS-MW-175-SO-2.5-3.5-20190415	EPA 5035/5030B	318952	EPA 8260	318953
40185923001	TS-VAS-001-WG-15-17-20190415	EPA 8260	318697		
40185923002	TS-VAS-001-WG-25-27-20190415	EPA 8260	318697		
40185923003	TS-VAS-001-WG-35-37-20190416	EPA 8260	318697		
40185923004	TS-VAS-001-WG-45-47-20190416	EPA 8260	318697		
40185923005	TS-VAS-001-WG-55-57-20190416	EPA 8260	318697		
40185923006	DUP-01-WG-20190416	EPA 8260	318697		
40185923007	TS-VAS-001-WG-65-67-20190416	EPA 8260	318697		
40185923008	TS-VAS-001-WG-75-77-20190416	EPA 8260	318697		
40185923009	TS-VAS-001-WG-85-87-20190416	EPA 8260	318697		
40185923011	TS-VAS-001-WG-95-97-20190416	EPA 8260	318697		
40185923010	TS-MW-175-SO-2.5-3.5-20190415	ASTM D2974-87	319715		

**REPORT OF LABORATORY ANALYSIS**

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(Please Print Clearly)

Company Name: **ERM**  
 Branch/Location: **Milwaukee**  
 Project Contact: **Ryan Plath**  
 Phone: **847-848-4500**  
 Project Number: **0411661**  
 Project Name: **Oscar Mayer**  
 Project State: **WI**  
 Sampled By (Print): **Ryan Plath**  
 Sampled By (Sign): *[Signature]*  
 PO #: **WDMR**



# CHAIN OF CUSTODY

Preservation Codes:  
 A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?  
(YES/NO)  
PRESERVATION (CODE)\*

### Analyses Requested

V/I/N	Pick Letter	Request
N/A	B	VOCs 8260B VOC 8260
No		8260 X Pq Wt

DATA PACKAGE OPTIONS	MS/MSD	MATRIX CODES	REGULATORY PROGRAM
<input type="checkbox"/> EPA Level III <input type="checkbox"/> EPA Level IV	<input type="checkbox"/> On your sample (billable) <input checked="" type="checkbox"/> NOT needed on your sample	A = Air B = Glass C = Charcoal O = Oil S = Soil SI = Sludge W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipes	WDMR

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX
001	TS-VAS-001-WG-15-17	3/15/09	1550	GW
002	TS-VAS-001-WG-25-27-29	4/15/09	1705	
003	TS-VAS-001-WG-33-37-39	4/16/09	0900	
004	TS-VAS-001-WG-45-47-39	4/16/09	0945	
005	TS-VAS-001-WG-55-57-39	4/16/09	1050	
006	DUP-01-WG-2019	4/16/09		
007	TS-VAS-001-WG-05-07-2019	4/16/09	1145	
008	TS-VAS-001-WG-11-13-2019	4/16/09	1430	
009	TS-VAS-001-WG-15-17-2019	4/16/09	1530	
010	TS-MW-175-50-2-5-2019	4/15/09	1045	
011	TS-VAS-001-WG-95-97-2019	4/16/09	1635	

RECEIVED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<i>[Signature]</i>	4/16/09 1700	<i>[Signature]</i>	4/16/09 1710
<i>[Signature]</i>	4/16/09 1710	<i>[Signature]</i>	4/17/09 0940
<i>[Signature]</i>	4/16/09 1710	<i>[Signature]</i>	4/17/09 0940

Quote #:  
 Mail To Contact:  
 Mail To Company:  
 Mail To Address:  
 Invoice To Contact:  
 Invoice To Company:  
 Invoice To Address:  
 Invoice To Phone:  
 CLIENT COMMENTS  
 LAB COMMENTS (Lab Use Only)  
 Profile #

Client Name: ERM Project # 20185923


All containers needing preservation have been checked and noted below:  Yes  No  N/A  
 Lab Lot# of pH paper: \_\_\_\_\_ Lab Std #/ID of preservation (if pH adjusted): \_\_\_\_\_  
 Initial when completed: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Pace Lab #	Glass	Plastic	Vials				Jars		General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
			DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU							
001																	2.5 / 5 / 10
002																	2.5 / 5 / 10
003																	2.5 / 5 / 10
004																	2.5 / 5 / 10
005																	2.5 / 5 / 10
006																	2.5 / 5 / 10
007																	2.5 / 5 / 10
008																	2.5 / 5 / 10
009																	2.5 / 5 / 10
010																	2.5 / 5 / 10
011																	2.5 / 5 / 10
012																	2.5 / 5 / 10
013																	2.5 / 5 / 10
014																	2.5 / 5 / 10
015																	2.5 / 5 / 10
016																	2.5 / 5 / 10
017																	2.5 / 5 / 10
018																	2.5 / 5 / 10
019																	2.5 / 5 / 10
020																	2.5 / 5 / 10

Exceptions to preservation check:  Vol, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm):  Yes  No  N/A \*If yes look in headspace column

AG1U	BP1U	DG9A	JGFU	SP5T
1 liter amber glass	1 liter plastic unpres	40 mL amber ascorbic	4 oz amber jar unpres	120 mL plastic Na Thiosulfate
AG1H	BP2N	DG9T	WGFU	ZPLC
1 liter amber glass HCL	500 mL plastic HNO3	40 mL amber Na Thio	4 oz clear jar unpres	ziploc bag
AG4S	BP2Z	VG9U	WPFU	GN:
125 mL amber glass H2SO4	500 mL plastic NaOH, Znact	40 mL clear vial unpres	4 oz plastic jar unpres	
AG4U	BP3U	VG9H		
120 mL amber glass unpres	250 mL plastic unpres	40 mL clear vial HCL		
AG5U	BP3C	VG9M		
100 mL amber glass unpres	250 mL plastic NaOH	40 mL clear vial MeOH		
AG2S	BP3N	VG9D		
500 mL amber glass H2SO4	250 mL plastic HNO3	40 mL clear vial DI		
BG3U	BP3S			
250 mL clear glass unpres	250 mL plastic H2SO4			




 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 25Apr2018
	Document No.: <b>F-GB-C-031-Rev.07</b>	Issuing Authority: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

**Client Name:** ERM      Project #: \_\_\_\_\_  
**Courier:**  CS Logistics    Fed Ex    Speedee    UPS    Waltco  
 Client    Pace   Other: \_\_\_\_\_

WO#: 40185923



40185923

**Tracking #:** 2450 001617  
**Custody Seal on Cooler/Box Present:**  yes  no    **Seals intact:**  yes  no  
**Custody Seal on Samples Present:**  yes  no    **Seals intact:**  yes  no  
**Packing Material:**  Bubble Wrap    Bubble Bags    None    Other  
**Thermometer Used** SR - NA      **Type of Ice:**  Wet    Blue Dry    None     Samples on ice, cooling process has begun  
**Cooler Temperature**    Uncorr: RDE   ICorr:

**Temp Blank Present:**  yes  no      **Biological Tissue is Frozen:**  yes  no  
 Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C.

**Person examining contents:**  
**Date:** 4-17-19  
**Initials:** JK

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No mail</u> <u>4-17-19 JK</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
<b>Short Hold Time Analysis (&lt;72hr):</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
<b>Rush Turn Around Time Requested:</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: <u>WIS</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

**Client Notification/ Resolution:**      If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project Manager Review:** [Signature]      Date: 04/17/19

May 24, 2019

David deCourcy-Bower  
ERM, Inc.  
700 West Virginia Street  
Milwaukee, WI 53204

RE: Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

Dear David deCourcy-Bower:

Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40187476001	FS-MW-12-WG-20190506	Water	05/06/19 14:25	05/11/19 08:05
40187476002	FS-MW-01-WG-20190506	Water	05/06/19 16:00	05/11/19 08:05
40187476003	FS-MW-09-WG-20190507	Water	05/07/19 09:20	05/11/19 08:05
40187476004	FS-MW-02-WG-20190507	Water	05/07/19 11:05	05/11/19 08:05
40187476005	FS-MW-07-WG-20190507	Water	05/07/19 13:05	05/11/19 08:05
40187476006	FS-MW-03-WG-20190507	Water	05/07/19 14:20	05/11/19 08:05
40187476007	FS-MW-06-WG-20190507	Water	05/07/19 15:30	05/11/19 08:05
40187476008	FS-MW-13-WG-20190507	Water	05/07/19 17:00	05/11/19 08:05
40187476009	FS-MW-11-WG-20190508	Water	05/08/19 08:55	05/11/19 08:05
40187476010	FS-MW-05-WG-20190508	Water	05/08/19 14:20	05/11/19 08:05
40187476011	FS-MW-04-WG-20190508	Water	05/08/19 16:25	05/11/19 08:05
40187476012	FS-MW-08-WG-20190508	Water	05/08/19 17:55	05/11/19 08:05
40187476013	FS-MW-10-WG-20190509	Water	05/09/19 09:10	05/11/19 08:05
40187476014	SR-MW-14-WG-20190509	Water	05/09/19 10:25	05/11/19 08:05
40187476015	SR-MW-15-WG-20190509	Water	05/09/19 11:25	05/11/19 08:05
40187476016	SR-MW-16A-WG-20190509	Water	05/09/19 13:55	05/11/19 08:05
40187476017	SR-MW-16B-WG-20190509	Water	05/09/19 14:30	05/11/19 08:05
40187476018	TS-MW-17A-WG-20190509	Water	05/09/19 16:00	05/11/19 08:05
40187476019	TS-MW-17C-WG-20190510	Water	05/10/19 11:11	05/11/19 08:05
40187476020	TS-MW-17B-WG-20190510	Water	05/10/19 12:45	05/11/19 08:05
40187476021	DUP-01-WG-20190507	Water	05/07/19 00:00	05/11/19 08:05
40187476022	DUP-02-WG-20190508	Water	05/08/19 00:00	05/11/19 08:05
40187476023	FB-01-WQ-20190510	Water	05/10/19 13:15	05/11/19 08:05
40187476024	TB-01-WQ-20190510	Water	05/10/19 00:00	05/11/19 08:05

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### SAMPLE ANALYTE COUNT

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40187476001	FS-MW-12-WG-20190506	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476002	FS-MW-01-WG-20190506	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476003	FS-MW-09-WG-20190507	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476004	FS-MW-02-WG-20190507	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476005	FS-MW-07-WG-20190507	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476006	FS-MW-03-WG-20190507	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476007	FS-MW-06-WG-20190507	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476008	FS-MW-13-WG-20190507	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476009	FS-MW-11-WG-20190508	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476010	FS-MW-05-WG-20190508	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476011	FS-MW-04-WG-20190508	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476012	FS-MW-08-WG-20190508	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476013	FS-MW-10-WG-20190509	EPA 6010	TXW	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40187476014	SR-MW-14-WG-20190509	EPA 8260	LAP	64	PASI-G
40187476015	SR-MW-15-WG-20190509	EPA 8260	LAP	64	PASI-G
40187476016	SR-MW-16A-WG-20190509	EPA 8260	LAP	64	PASI-G
40187476017	SR-MW-16B-WG-20190509	EPA 8260	LAP	64	PASI-G
40187476018	TS-MW-17A-WG-20190509	EPA 8260	LAP	64	PASI-G
40187476019	TS-MW-17C-WG-20190510	EPA 8260	LAP	64	PASI-G
40187476020	TS-MW-17B-WG-20190510	EPA 8260	LAP	64	PASI-G
40187476021	DUP-01-WG-20190507	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	64	PASI-G
40187476022	DUP-02-WG-20190508	EPA 6010	TXW	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	64	PASI-G
40187476023	FB-01-WQ-20190510	EPA 8260	HNW	64	PASI-G
40187476024	TB-01-WQ-20190510	EPA 8260	HNW	64	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: FS-MW-12-WG-20190506 Lab ID: 40187476001 Collected: 05/06/19 14:25 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 20:55	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0054	ug/L	0.027	0.0054	1	05/13/19 11:45	05/14/19 14:01	83-32-9	
Acenaphthylene	<0.0044	ug/L	0.022	0.0044	1	05/13/19 11:45	05/14/19 14:01	208-96-8	
Anthracene	<0.0093	ug/L	0.047	0.0093	1	05/13/19 11:45	05/14/19 14:01	120-12-7	
Benzo(a)anthracene	<0.0067	ug/L	0.034	0.0067	1	05/13/19 11:45	05/14/19 14:01	56-55-3	
Benzo(a)pyrene	<0.0094	ug/L	0.047	0.0094	1	05/13/19 11:45	05/14/19 14:01	50-32-8	
Benzo(b)fluoranthene	<0.0051	ug/L	0.026	0.0051	1	05/13/19 11:45	05/14/19 14:01	205-99-2	
Benzo(g,h,i)perylene	<0.0061	ug/L	0.030	0.0061	1	05/13/19 11:45	05/14/19 14:01	191-24-2	
Benzo(k)fluoranthene	<0.0067	ug/L	0.034	0.0067	1	05/13/19 11:45	05/14/19 14:01	207-08-9	
Chrysene	<0.012	ug/L	0.058	0.012	1	05/13/19 11:45	05/14/19 14:01	218-01-9	L1
Dibenz(a,h)anthracene	<0.0089	ug/L	0.045	0.0089	1	05/13/19 11:45	05/14/19 14:01	53-70-3	
Fluoranthene	<0.0095	ug/L	0.048	0.0095	1	05/13/19 11:45	05/14/19 14:01	206-44-0	
Fluorene	<0.0071	ug/L	0.036	0.0071	1	05/13/19 11:45	05/14/19 14:01	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.079	0.016	1	05/13/19 11:45	05/14/19 14:01	193-39-5	
1-Methylnaphthalene	<0.0053	ug/L	0.026	0.0053	1	05/13/19 11:45	05/14/19 14:01	90-12-0	
2-Methylnaphthalene	<0.0044	ug/L	0.022	0.0044	1	05/13/19 11:45	05/14/19 14:01	91-57-6	
Naphthalene	<0.016	ug/L	0.082	0.016	1	05/13/19 11:45	05/14/19 14:01	91-20-3	
Phenanthrene	<0.012	ug/L	0.062	0.012	1	05/13/19 11:45	05/14/19 14:01	85-01-8	
Pyrene	<0.0068	ug/L	0.034	0.0068	1	05/13/19 11:45	05/14/19 14:01	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	51	%	30-85		1	05/13/19 11:45	05/14/19 14:01	321-60-8	
Terphenyl-d14 (S)	89	%	10-120		1	05/13/19 11:45	05/14/19 14:01	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/15/19 11:28	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/15/19 11:28	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/15/19 11:28	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/15/19 11:28	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/15/19 11:28	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/15/19 11:28	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 11:28	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/15/19 11:28	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/15/19 11:28	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/15/19 11:28	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 11:28	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/15/19 11:28	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/15/19 11:28	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/15/19 11:28	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/15/19 11:28	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/15/19 11:28	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/15/19 11:28	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/15/19 11:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/15/19 11:28	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/15/19 11:28	74-95-3	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

Sample: **FS-MW-12-WG-20190506** Lab ID: **40187476001** Collected: 05/06/19 14:25 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 11:28	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/15/19 11:28	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/15/19 11:28	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/15/19 11:28	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 11:28	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 11:28	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/15/19 11:28	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/15/19 11:28	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/15/19 11:28	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/15/19 11:28	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/15/19 11:28	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/15/19 11:28	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/15/19 11:28	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/15/19 11:28	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/15/19 11:28	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/15/19 11:28	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/15/19 11:28	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/15/19 11:28	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/15/19 11:28	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/15/19 11:28	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/15/19 11:28	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/15/19 11:28	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/15/19 11:28	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/15/19 11:28	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/15/19 11:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 11:28	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 11:28	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/15/19 11:28	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/15/19 13:41	108-88-3	HS
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/15/19 11:28	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/15/19 11:28	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/15/19 11:28	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/15/19 11:28	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/15/19 11:28	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/15/19 11:28	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/15/19 11:28	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/15/19 11:28	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/15/19 11:28	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/15/19 11:28	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/15/19 11:28	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/15/19 11:28	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1		05/15/19 11:28	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		05/15/19 11:28	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		05/15/19 11:28	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-01-WG-20190506** Lab ID: **40187476002** Collected: 05/06/19 16:00 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 21:02	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0055	ug/L	0.028	0.0055	1	05/13/19 11:45	05/14/19 14:19	83-32-9	
Acenaphthylene	<0.0045	ug/L	0.023	0.0045	1	05/13/19 11:45	05/14/19 14:19	208-96-8	
Anthracene	<0.0095	ug/L	0.048	0.0095	1	05/13/19 11:45	05/14/19 14:19	120-12-7	
Benzo(a)anthracene	<0.0069	ug/L	0.034	0.0069	1	05/13/19 11:45	05/14/19 14:19	56-55-3	
Benzo(a)pyrene	<0.0096	ug/L	0.048	0.0096	1	05/13/19 11:45	05/14/19 14:19	50-32-8	
Benzo(b)fluoranthene	<0.0052	ug/L	0.026	0.0052	1	05/13/19 11:45	05/14/19 14:19	205-99-2	
Benzo(g,h,i)perylene	<0.0062	ug/L	0.031	0.0062	1	05/13/19 11:45	05/14/19 14:19	191-24-2	
Benzo(k)fluoranthene	<0.0069	ug/L	0.034	0.0069	1	05/13/19 11:45	05/14/19 14:19	207-08-9	
Chrysene	<0.012	ug/L	0.059	0.012	1	05/13/19 11:45	05/14/19 14:19	218-01-9	L1
Dibenz(a,h)anthracene	<0.0091	ug/L	0.046	0.0091	1	05/13/19 11:45	05/14/19 14:19	53-70-3	
Fluoranthene	<0.0097	ug/L	0.048	0.0097	1	05/13/19 11:45	05/14/19 14:19	206-44-0	
Fluorene	<0.0072	ug/L	0.036	0.0072	1	05/13/19 11:45	05/14/19 14:19	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.080	0.016	1	05/13/19 11:45	05/14/19 14:19	193-39-5	
1-Methylnaphthalene	<0.0054	ug/L	0.027	0.0054	1	05/13/19 11:45	05/14/19 14:19	90-12-0	
2-Methylnaphthalene	<0.0045	ug/L	0.022	0.0045	1	05/13/19 11:45	05/14/19 14:19	91-57-6	
Naphthalene	<0.017	ug/L	0.083	0.017	1	05/13/19 11:45	05/14/19 14:19	91-20-3	
Phenanthrene	<0.013	ug/L	0.063	0.013	1	05/13/19 11:45	05/14/19 14:19	85-01-8	
Pyrene	<0.0070	ug/L	0.035	0.0070	1	05/13/19 11:45	05/14/19 14:19	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	49	%	30-85		1	05/13/19 11:45	05/14/19 14:19	321-60-8	
Terphenyl-d14 (S)	83	%	10-120		1	05/13/19 11:45	05/14/19 14:19	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/15/19 11:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/15/19 11:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/15/19 11:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/15/19 11:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/15/19 11:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/15/19 11:50	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 11:50	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/15/19 11:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/15/19 11:50	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/15/19 11:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 11:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/15/19 11:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/15/19 11:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/15/19 11:50	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/15/19 11:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/15/19 11:50	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/15/19 11:50	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/15/19 11:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/15/19 11:50	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/15/19 11:50	74-95-3	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

Sample: **FS-MW-01-WG-20190506** Lab ID: **40187476002** Collected: 05/06/19 16:00 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 11:50	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/15/19 11:50	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/15/19 11:50	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/15/19 11:50	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 11:50	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 11:50	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/15/19 11:50	75-35-4	
cis-1,2-Dichloroethene	2.0	ug/L	1.0	0.27	1		05/15/19 11:50	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/15/19 11:50	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/15/19 11:50	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/15/19 11:50	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/15/19 11:50	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/15/19 11:50	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/15/19 11:50	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/15/19 11:50	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/15/19 11:50	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/15/19 11:50	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/15/19 11:50	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/15/19 11:50	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/15/19 11:50	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/15/19 11:50	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/15/19 11:50	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/15/19 11:50	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/15/19 11:50	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/15/19 11:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 11:50	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 11:50	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/15/19 11:50	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/15/19 11:50	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/15/19 11:50	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/15/19 11:50	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/15/19 11:50	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/15/19 11:50	79-00-5	
Trichloroethene	0.51J	ug/L	1.0	0.26	1		05/15/19 11:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/15/19 11:50	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/15/19 11:50	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/15/19 11:50	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/15/19 11:50	108-67-8	
Vinyl chloride	1.8	ug/L	1.0	0.17	1		05/15/19 11:50	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/15/19 11:50	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/15/19 11:50	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/15/19 11:50	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		05/15/19 11:50	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/15/19 11:50	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-09-WG-20190507** Lab ID: **40187476003** Collected: 05/07/19 09:20 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 21:05	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0057	ug/L	0.028	0.0057	1	05/14/19 08:12	05/15/19 20:49	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.023	0.0047	1	05/14/19 08:12	05/15/19 20:49	208-96-8	
Anthracene	0.075	ug/L	0.049	0.0098	1	05/14/19 08:12	05/15/19 20:49	120-12-7	
Benzo(a)anthracene	0.016J	ug/L	0.035	0.0071	1	05/14/19 08:12	05/15/19 20:49	56-55-3	
Benzo(a)pyrene	<0.0098	ug/L	0.049	0.0098	1	05/14/19 08:12	05/15/19 20:49	50-32-8	
Benzo(b)fluoranthene	0.0065J	ug/L	0.027	0.0054	1	05/14/19 08:12	05/15/19 20:49	205-99-2	
Benzo(g,h,i)perylene	<0.0063	ug/L	0.032	0.0063	1	05/14/19 08:12	05/15/19 20:49	191-24-2	
Benzo(k)fluoranthene	<0.0071	ug/L	0.035	0.0071	1	05/14/19 08:12	05/15/19 20:49	207-08-9	
Chrysene	0.030J	ug/L	0.061	0.012	1	05/14/19 08:12	05/15/19 20:49	218-01-9	
Dibenz(a,h)anthracene	<0.0094	ug/L	0.047	0.0094	1	05/14/19 08:12	05/15/19 20:49	53-70-3	
Fluoranthene	0.018J	ug/L	0.050	0.010	1	05/14/19 08:12	05/15/19 20:49	206-44-0	
Fluorene	<0.0074	ug/L	0.037	0.0074	1	05/14/19 08:12	05/15/19 20:49	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.082	0.016	1	05/14/19 08:12	05/15/19 20:49	193-39-5	
1-Methylnaphthalene	0.012J	ug/L	0.028	0.0055	1	05/14/19 08:12	05/15/19 20:49	90-12-0	
2-Methylnaphthalene	0.012J	ug/L	0.023	0.0046	1	05/14/19 08:12	05/15/19 20:49	91-57-6	
Naphthalene	0.033J	ug/L	0.086	0.017	1	05/14/19 08:12	05/15/19 20:49	91-20-3	
Phenanthrene	0.14	ug/L	0.064	0.013	1	05/14/19 08:12	05/15/19 20:49	85-01-8	
Pyrene	0.019J	ug/L	0.036	0.0071	1	05/14/19 08:12	05/15/19 20:49	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	56	%	30-85		1	05/14/19 08:12	05/15/19 20:49	321-60-8	
Terphenyl-d14 (S)	83	%	10-120		1	05/14/19 08:12	05/15/19 20:49	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/15/19 12:12	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/15/19 12:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/15/19 12:12	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/15/19 12:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/15/19 12:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/15/19 12:12	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 12:12	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/15/19 12:12	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/15/19 12:12	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/15/19 12:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 12:12	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/15/19 12:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/15/19 12:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/15/19 12:12	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/15/19 12:12	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/15/19 12:12	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/15/19 12:12	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/15/19 12:12	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/15/19 12:12	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/15/19 12:12	74-95-3	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

Sample: **FS-MW-09-WG-20190507** Lab ID: **40187476003** Collected: 05/07/19 09:20 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 12:12	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/15/19 12:12	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/15/19 12:12	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/15/19 12:12	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 12:12	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 12:12	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/15/19 12:12	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/15/19 12:12	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/15/19 12:12	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/15/19 12:12	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/15/19 12:12	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/15/19 12:12	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/15/19 12:12	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/15/19 12:12	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/15/19 12:12	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/15/19 12:12	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/15/19 12:12	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/15/19 12:12	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/15/19 12:12	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/15/19 12:12	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/15/19 12:12	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/15/19 12:12	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/15/19 12:12	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/15/19 12:12	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/15/19 12:12	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 12:12	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 12:12	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/15/19 12:12	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/15/19 12:12	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/15/19 12:12	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/15/19 12:12	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/15/19 12:12	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/15/19 12:12	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/15/19 12:12	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/15/19 12:12	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/15/19 12:12	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/15/19 12:12	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/15/19 12:12	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/15/19 12:12	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/15/19 12:12	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/15/19 12:12	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/15/19 12:12	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		05/15/19 12:12	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		05/15/19 12:12	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-02-WG-20190507** Lab ID: **40187476004** Collected: 05/07/19 11:05 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 21:08	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0055	ug/L	0.028	0.0055	1	05/14/19 08:12	05/15/19 21:07	83-32-9	
Acenaphthylene	<0.0045	ug/L	0.023	0.0045	1	05/14/19 08:12	05/15/19 21:07	208-96-8	
Anthracene	0.039J	ug/L	0.048	0.0095	1	05/14/19 08:12	05/15/19 21:07	120-12-7	
Benzo(a)anthracene	0.011J	ug/L	0.034	0.0069	1	05/14/19 08:12	05/15/19 21:07	56-55-3	
Benzo(a)pyrene	<0.0096	ug/L	0.048	0.0096	1	05/14/19 08:12	05/15/19 21:07	50-32-8	
Benzo(b)fluoranthene	<0.0052	ug/L	0.026	0.0052	1	05/14/19 08:12	05/15/19 21:07	205-99-2	
Benzo(g,h,i)perylene	<0.0062	ug/L	0.031	0.0062	1	05/14/19 08:12	05/15/19 21:07	191-24-2	
Benzo(k)fluoranthene	<0.0069	ug/L	0.034	0.0069	1	05/14/19 08:12	05/15/19 21:07	207-08-9	
Chrysene	0.017J	ug/L	0.059	0.012	1	05/14/19 08:12	05/15/19 21:07	218-01-9	
Dibenz(a,h)anthracene	<0.0091	ug/L	0.046	0.0091	1	05/14/19 08:12	05/15/19 21:07	53-70-3	
Fluoranthene	0.011J	ug/L	0.048	0.0097	1	05/14/19 08:12	05/15/19 21:07	206-44-0	
Fluorene	0.0077J	ug/L	0.036	0.0072	1	05/14/19 08:12	05/15/19 21:07	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.080	0.016	1	05/14/19 08:12	05/15/19 21:07	193-39-5	
1-Methylnaphthalene	0.0097J	ug/L	0.027	0.0054	1	05/14/19 08:12	05/15/19 21:07	90-12-0	
2-Methylnaphthalene	0.010J	ug/L	0.022	0.0045	1	05/14/19 08:12	05/15/19 21:07	91-57-6	
Naphthalene	0.020J	ug/L	0.083	0.017	1	05/14/19 08:12	05/15/19 21:07	91-20-3	
Phenanthrene	0.085	ug/L	0.063	0.013	1	05/14/19 08:12	05/15/19 21:07	85-01-8	
Pyrene	0.014J	ug/L	0.035	0.0070	1	05/14/19 08:12	05/15/19 21:07	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	53	%	30-85		1	05/14/19 08:12	05/15/19 21:07	321-60-8	
Terphenyl-d14 (S)	82	%	10-120		1	05/14/19 08:12	05/15/19 21:07	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/15/19 12:34	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/15/19 12:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/15/19 12:34	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/15/19 12:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/15/19 12:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/15/19 12:34	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 12:34	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/15/19 12:34	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/15/19 12:34	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/15/19 12:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 12:34	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/15/19 12:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/15/19 12:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/15/19 12:34	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/15/19 12:34	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/15/19 12:34	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/15/19 12:34	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/15/19 12:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/15/19 12:34	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/15/19 12:34	74-95-3	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

Sample: **FS-MW-02-WG-20190507** Lab ID: **40187476004** Collected: 05/07/19 11:05 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 12:34	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/15/19 12:34	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/15/19 12:34	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/15/19 12:34	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 12:34	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 12:34	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/15/19 12:34	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/15/19 12:34	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/15/19 12:34	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/15/19 12:34	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/15/19 12:34	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/15/19 12:34	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/15/19 12:34	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/15/19 12:34	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/15/19 12:34	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/15/19 12:34	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/15/19 12:34	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/15/19 12:34	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/15/19 12:34	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/15/19 12:34	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/15/19 12:34	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/15/19 12:34	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/15/19 12:34	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/15/19 12:34	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/15/19 12:34	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 12:34	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 12:34	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/15/19 12:34	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/15/19 12:34	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/15/19 12:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/15/19 12:34	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/15/19 12:34	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/15/19 12:34	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/15/19 12:34	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/15/19 12:34	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/15/19 12:34	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/15/19 12:34	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/15/19 12:34	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/15/19 12:34	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/15/19 12:34	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/15/19 12:34	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		05/15/19 12:34	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		05/15/19 12:34	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		05/15/19 12:34	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-07-WG-20190507** Lab ID: **40187476005** Collected: 05/07/19 13:05 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 21:10	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0058	ug/L	0.029	0.0058	1	05/14/19 08:12	05/15/19 21:26	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.024	0.0047	1	05/14/19 08:12	05/15/19 21:26	208-96-8	
Anthracene	0.033J	ug/L	0.050	0.010	1	05/14/19 08:12	05/15/19 21:26	120-12-7	
Benzo(a)anthracene	0.0080J	ug/L	0.036	0.0072	1	05/14/19 08:12	05/15/19 21:26	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.050	0.010	1	05/14/19 08:12	05/15/19 21:26	50-32-8	
Benzo(b)fluoranthene	<0.0055	ug/L	0.027	0.0055	1	05/14/19 08:12	05/15/19 21:26	205-99-2	
Benzo(g,h,i)perylene	<0.0065	ug/L	0.032	0.0065	1	05/14/19 08:12	05/15/19 21:26	191-24-2	
Benzo(k)fluoranthene	<0.0072	ug/L	0.036	0.0072	1	05/14/19 08:12	05/15/19 21:26	207-08-9	
Chrysene	0.015J	ug/L	0.062	0.012	1	05/14/19 08:12	05/15/19 21:26	218-01-9	
Dibenz(a,h)anthracene	<0.0095	ug/L	0.048	0.0095	1	05/14/19 08:12	05/15/19 21:26	53-70-3	
Fluoranthene	<0.010	ug/L	0.051	0.010	1	05/14/19 08:12	05/15/19 21:26	206-44-0	
Fluorene	<0.0076	ug/L	0.038	0.0076	1	05/14/19 08:12	05/15/19 21:26	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.084	0.017	1	05/14/19 08:12	05/15/19 21:26	193-39-5	
1-Methylnaphthalene	0.0093J	ug/L	0.028	0.0056	1	05/14/19 08:12	05/15/19 21:26	90-12-0	
2-Methylnaphthalene	0.0086J	ug/L	0.023	0.0047	1	05/14/19 08:12	05/15/19 21:26	91-57-6	
Naphthalene	<0.017	ug/L	0.087	0.017	1	05/14/19 08:12	05/15/19 21:26	91-20-3	
Phenanthrene	0.059J	ug/L	0.066	0.013	1	05/14/19 08:12	05/15/19 21:26	85-01-8	
Pyrene	0.014J	ug/L	0.036	0.0073	1	05/14/19 08:12	05/15/19 21:26	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	52	%	30-85		1	05/14/19 08:12	05/15/19 21:26	321-60-8	
Terphenyl-d14 (S)	77	%	10-120		1	05/14/19 08:12	05/15/19 21:26	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/15/19 12:56	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/15/19 12:56	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/15/19 12:56	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/15/19 12:56	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/15/19 12:56	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/15/19 12:56	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 12:56	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/15/19 12:56	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/15/19 12:56	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/15/19 12:56	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 12:56	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/15/19 12:56	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/15/19 12:56	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/15/19 12:56	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/15/19 12:56	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/15/19 12:56	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/15/19 12:56	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/15/19 12:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/15/19 12:56	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/15/19 12:56	74-95-3	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-07-WG-20190507** Lab ID: **40187476005** Collected: 05/07/19 13:05 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 12:56	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/15/19 12:56	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/15/19 12:56	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/15/19 12:56	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 12:56	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 12:56	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/15/19 12:56	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/15/19 12:56	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/15/19 12:56	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/15/19 12:56	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/15/19 12:56	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/15/19 12:56	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/15/19 12:56	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/15/19 12:56	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/15/19 12:56	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/15/19 12:56	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/15/19 12:56	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/15/19 12:56	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/15/19 12:56	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/15/19 12:56	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/15/19 12:56	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/15/19 12:56	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/15/19 12:56	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/15/19 12:56	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/15/19 12:56	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 12:56	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 12:56	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/15/19 12:56	127-18-4	
Toluene	0.18J	ug/L	5.0	0.17	1		05/15/19 12:56	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/15/19 12:56	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/15/19 12:56	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/15/19 12:56	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/15/19 12:56	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/15/19 12:56	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/15/19 12:56	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/15/19 12:56	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/15/19 12:56	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/15/19 12:56	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/15/19 12:56	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/15/19 12:56	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/15/19 12:56	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1		05/15/19 12:56	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		05/15/19 12:56	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		05/15/19 12:56	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: FS-MW-03-WG-20190507 Lab ID: 40187476006 Collected: 05/07/19 14:20 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<b>6.6J</b>	ug/L	21.4	6.4	1		05/16/19 21:12	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<b>&lt;0.0057</b>	ug/L	0.028	0.0057	1	05/14/19 08:12	05/15/19 21:44	83-32-9	
Acenaphthylene	<b>&lt;0.0047</b>	ug/L	0.023	0.0047	1	05/14/19 08:12	05/15/19 21:44	208-96-8	
Anthracene	<b>0.034J</b>	ug/L	0.049	0.0098	1	05/14/19 08:12	05/15/19 21:44	120-12-7	
Benzo(a)anthracene	<b>0.0085J</b>	ug/L	0.035	0.0071	1	05/14/19 08:12	05/15/19 21:44	56-55-3	
Benzo(a)pyrene	<b>&lt;0.0098</b>	ug/L	0.049	0.0098	1	05/14/19 08:12	05/15/19 21:44	50-32-8	
Benzo(b)fluoranthene	<b>&lt;0.0054</b>	ug/L	0.027	0.0054	1	05/14/19 08:12	05/15/19 21:44	205-99-2	
Benzo(g,h,i)perylene	<b>&lt;0.0063</b>	ug/L	0.032	0.0063	1	05/14/19 08:12	05/15/19 21:44	191-24-2	
Benzo(k)fluoranthene	<b>&lt;0.0071</b>	ug/L	0.035	0.0071	1	05/14/19 08:12	05/15/19 21:44	207-08-9	
Chrysene	<b>&lt;0.012</b>	ug/L	0.061	0.012	1	05/14/19 08:12	05/15/19 21:44	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;0.0094</b>	ug/L	0.047	0.0094	1	05/14/19 08:12	05/15/19 21:44	53-70-3	
Fluoranthene	<b>&lt;0.010</b>	ug/L	0.050	0.010	1	05/14/19 08:12	05/15/19 21:44	206-44-0	
Fluorene	<b>&lt;0.0074</b>	ug/L	0.037	0.0074	1	05/14/19 08:12	05/15/19 21:44	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;0.016</b>	ug/L	0.082	0.016	1	05/14/19 08:12	05/15/19 21:44	193-39-5	
1-Methylnaphthalene	<b>0.0070J</b>	ug/L	0.028	0.0055	1	05/14/19 08:12	05/15/19 21:44	90-12-0	
2-Methylnaphthalene	<b>0.0093J</b>	ug/L	0.023	0.0046	1	05/14/19 08:12	05/15/19 21:44	91-57-6	
Naphthalene	<b>&lt;0.017</b>	ug/L	0.086	0.017	1	05/14/19 08:12	05/15/19 21:44	91-20-3	
Phenanthrene	<b>0.049J</b>	ug/L	0.064	0.013	1	05/14/19 08:12	05/15/19 21:44	85-01-8	
Pyrene	<b>0.011J</b>	ug/L	0.036	0.0071	1	05/14/19 08:12	05/15/19 21:44	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	50	%	30-85		1	05/14/19 08:12	05/15/19 21:44	321-60-8	
Terphenyl-d14 (S)	70	%	10-120		1	05/14/19 08:12	05/15/19 21:44	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		05/15/19 13:18	71-43-2	
Bromobenzene	<b>&lt;0.24</b>	ug/L	1.0	0.24	1		05/15/19 13:18	108-86-1	
Bromochloromethane	<b>&lt;0.36</b>	ug/L	5.0	0.36	1		05/15/19 13:18	74-97-5	
Bromodichloromethane	<b>&lt;0.36</b>	ug/L	1.2	0.36	1		05/15/19 13:18	75-27-4	
Bromoform	<b>&lt;4.0</b>	ug/L	13.2	4.0	1		05/15/19 13:18	75-25-2	
Bromomethane	<b>&lt;0.97</b>	ug/L	5.0	0.97	1		05/15/19 13:18	74-83-9	
n-Butylbenzene	<b>&lt;0.71</b>	ug/L	2.4	0.71	1		05/15/19 13:18	104-51-8	
sec-Butylbenzene	<b>&lt;0.85</b>	ug/L	5.0	0.85	1		05/15/19 13:18	135-98-8	
tert-Butylbenzene	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		05/15/19 13:18	98-06-6	
Carbon tetrachloride	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		05/15/19 13:18	56-23-5	
Chlorobenzene	<b>&lt;0.71</b>	ug/L	2.4	0.71	1		05/15/19 13:18	108-90-7	
Chloroethane	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		05/15/19 13:18	75-00-3	
Chloroform	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		05/15/19 13:18	67-66-3	
Chloromethane	<b>&lt;2.2</b>	ug/L	7.3	2.2	1		05/15/19 13:18	74-87-3	
2-Chlorotoluene	<b>&lt;0.93</b>	ug/L	5.0	0.93	1		05/15/19 13:18	95-49-8	
4-Chlorotoluene	<b>&lt;0.76</b>	ug/L	2.5	0.76	1		05/15/19 13:18	106-43-4	
1,2-Dibromo-3-chloropropane	<b>&lt;1.8</b>	ug/L	5.9	1.8	1		05/15/19 13:18	96-12-8	
Dibromochloromethane	<b>&lt;2.6</b>	ug/L	8.7	2.6	1		05/15/19 13:18	124-48-1	
1,2-Dibromoethane (EDB)	<b>&lt;0.83</b>	ug/L	2.8	0.83	1		05/15/19 13:18	106-93-4	
Dibromomethane	<b>&lt;0.94</b>	ug/L	3.1	0.94	1		05/15/19 13:18	74-95-3	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-03-WG-20190507** Lab ID: **40187476006** Collected: 05/07/19 14:20 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 13:18	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/15/19 13:18	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/15/19 13:18	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/15/19 13:18	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 13:18	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 13:18	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/15/19 13:18	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/15/19 13:18	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/15/19 13:18	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/15/19 13:18	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/15/19 13:18	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/15/19 13:18	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/15/19 13:18	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/15/19 13:18	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/15/19 13:18	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/15/19 13:18	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/15/19 13:18	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/15/19 13:18	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/15/19 13:18	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/15/19 13:18	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/15/19 13:18	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/15/19 13:18	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/15/19 13:18	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/15/19 13:18	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/15/19 13:18	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 13:18	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 13:18	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/15/19 13:18	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/15/19 13:18	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/15/19 13:18	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/15/19 13:18	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/15/19 13:18	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/15/19 13:18	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/15/19 13:18	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/15/19 13:18	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/15/19 13:18	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/15/19 13:18	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/15/19 13:18	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/15/19 13:18	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/15/19 13:18	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/15/19 13:18	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	84	%	70-130		1		05/15/19 13:18	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		05/15/19 13:18	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		05/15/19 13:18	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-06-WG-20190507** Lab ID: **40187476007** Collected: 05/07/19 15:30 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010									
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 21:20	7439-92-1	
<b>8270 MSSV PAH by HVI</b>									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	0.017J	ug/L	0.028	0.0056	1	05/14/19 08:12	05/15/19 22:40	83-32-9	
Acenaphthylene	0.022J	ug/L	0.023	0.0046	1	05/14/19 08:12	05/15/19 22:40	208-96-8	
Anthracene	0.025J	ug/L	0.048	0.0096	1	05/14/19 08:12	05/15/19 22:40	120-12-7	
Benzo(a)anthracene	0.0086J	ug/L	0.035	0.0069	1	05/14/19 08:12	05/15/19 22:40	56-55-3	
Benzo(a)pyrene	<0.0097	ug/L	0.048	0.0097	1	05/14/19 08:12	05/15/19 22:40	50-32-8	
Benzo(b)fluoranthene	<0.0053	ug/L	0.026	0.0053	1	05/14/19 08:12	05/15/19 22:40	205-99-2	
Benzo(g,h,i)perylene	0.023J	ug/L	0.031	0.0062	1	05/14/19 08:12	05/15/19 22:40	191-24-2	
Benzo(k)fluoranthene	<0.0069	ug/L	0.035	0.0069	1	05/14/19 08:12	05/15/19 22:40	207-08-9	
Chrysene	<0.012	ug/L	0.060	0.012	1	05/14/19 08:12	05/15/19 22:40	218-01-9	
Dibenz(a,h)anthracene	<0.0092	ug/L	0.046	0.0092	1	05/14/19 08:12	05/15/19 22:40	53-70-3	
Fluoranthene	<0.0098	ug/L	0.049	0.0098	1	05/14/19 08:12	05/15/19 22:40	206-44-0	
Fluorene	0.018J	ug/L	0.037	0.0073	1	05/14/19 08:12	05/15/19 22:40	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.081	0.016	1	05/14/19 08:12	05/15/19 22:40	193-39-5	
1-Methylnaphthalene	0.042	ug/L	0.027	0.0054	1	05/14/19 08:12	05/15/19 22:40	90-12-0	
2-Methylnaphthalene	0.012J	ug/L	0.022	0.0045	1	05/14/19 08:12	05/15/19 22:40	91-57-6	
Naphthalene	0.079J	ug/L	0.084	0.017	1	05/14/19 08:12	05/15/19 22:40	91-20-3	
Phenanthrene	0.033J	ug/L	0.063	0.013	1	05/14/19 08:12	05/15/19 22:40	85-01-8	
Pyrene	0.013J	ug/L	0.035	0.0070	1	05/14/19 08:12	05/15/19 22:40	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	59	%	30-85		1	05/14/19 08:12	05/15/19 22:40	321-60-8	
Terphenyl-d14 (S)	84	%	10-120		1	05/14/19 08:12	05/15/19 22:40	1718-51-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Benzene	9.0	ug/L	1.0	0.25	1		05/16/19 01:01	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 01:01	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 01:01	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 01:01	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 01:01	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 01:01	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 01:01	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 01:01	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 01:01	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 01:01	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 01:01	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 01:01	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 01:01	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 01:01	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 01:01	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 01:01	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 01:01	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 01:01	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 01:01	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 01:01	74-95-3	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-06-WG-20190507** Lab ID: **40187476007** Collected: 05/07/19 15:30 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 01:01	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 01:01	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 01:01	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 01:01	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 01:01	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 01:01	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 01:01	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 01:01	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 01:01	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 01:01	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 01:01	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 01:01	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 01:01	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 01:01	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 01:01	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 01:01	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 01:01	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 01:01	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 01:01	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 01:01	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 01:01	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 01:01	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 01:01	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 01:01	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 01:01	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 01:01	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 01:01	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 01:01	127-18-4	
Toluene	0.29J	ug/L	5.0	0.17	1		05/16/19 01:01	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 01:01	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 01:01	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 01:01	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 01:01	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 01:01	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 01:01	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 01:01	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 01:01	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 01:01	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 01:01	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 01:01	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 01:01	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/16/19 01:01	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		05/16/19 01:01	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		05/16/19 01:01	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-13-WG-20190507** Lab ID: **40187476008** Collected: 05/07/19 17:00 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 21:22	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0056	ug/L	0.028	0.0056	1	05/14/19 08:12	05/15/19 22:03	83-32-9	
Acenaphthylene	<0.0046	ug/L	0.023	0.0046	1	05/14/19 08:12	05/15/19 22:03	208-96-8	
Anthracene	0.041J	ug/L	0.048	0.0096	1	05/14/19 08:12	05/15/19 22:03	120-12-7	
Benzo(a)anthracene	0.0090J	ug/L	0.035	0.0069	1	05/14/19 08:12	05/15/19 22:03	56-55-3	
Benzo(a)pyrene	<0.0097	ug/L	0.048	0.0097	1	05/14/19 08:12	05/15/19 22:03	50-32-8	
Benzo(b)fluoranthene	<0.0053	ug/L	0.026	0.0053	1	05/14/19 08:12	05/15/19 22:03	205-99-2	
Benzo(g,h,i)perylene	0.022J	ug/L	0.031	0.0062	1	05/14/19 08:12	05/15/19 22:03	191-24-2	
Benzo(k)fluoranthene	<0.0069	ug/L	0.035	0.0069	1	05/14/19 08:12	05/15/19 22:03	207-08-9	
Chrysene	<0.012	ug/L	0.060	0.012	1	05/14/19 08:12	05/15/19 22:03	218-01-9	
Dibenz(a,h)anthracene	<0.0092	ug/L	0.046	0.0092	1	05/14/19 08:12	05/15/19 22:03	53-70-3	
Fluoranthene	0.010J	ug/L	0.049	0.0098	1	05/14/19 08:12	05/15/19 22:03	206-44-0	
Fluorene	0.012J	ug/L	0.037	0.0073	1	05/14/19 08:12	05/15/19 22:03	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.081	0.016	1	05/14/19 08:12	05/15/19 22:03	193-39-5	
1-Methylnaphthalene	0.011J	ug/L	0.027	0.0054	1	05/14/19 08:12	05/15/19 22:03	90-12-0	
2-Methylnaphthalene	0.0088J	ug/L	0.022	0.0045	1	05/14/19 08:12	05/15/19 22:03	91-57-6	
Naphthalene	0.036J	ug/L	0.084	0.017	1	05/14/19 08:12	05/15/19 22:03	91-20-3	
Phenanthrene	0.044J	ug/L	0.063	0.013	1	05/14/19 08:12	05/15/19 22:03	85-01-8	
Pyrene	0.017J	ug/L	0.035	0.0070	1	05/14/19 08:12	05/15/19 22:03	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	52	%	30-85		1	05/14/19 08:12	05/15/19 22:03	321-60-8	
Terphenyl-d14 (S)	78	%	10-120		1	05/14/19 08:12	05/15/19 22:03	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 01:22	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 01:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 01:22	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 01:22	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 01:22	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 01:22	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 01:22	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 01:22	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 01:22	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 01:22	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 01:22	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 01:22	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 01:22	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 01:22	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 01:22	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 01:22	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 01:22	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 01:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 01:22	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 01:22	74-95-3	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: FS-MW-13-WG-20190507**    **Lab ID: 40187476008**    Collected: 05/07/19 17:00    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 01:22	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 01:22	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 01:22	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 01:22	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 01:22	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 01:22	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 01:22	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 01:22	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 01:22	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 01:22	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 01:22	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 01:22	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 01:22	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 01:22	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 01:22	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 01:22	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 01:22	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 01:22	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 01:22	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 01:22	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 01:22	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 01:22	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 01:22	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 01:22	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 01:22	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 01:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 01:22	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 01:22	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 01:22	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 01:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 01:22	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 01:22	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 01:22	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 01:22	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 01:22	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 01:22	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 01:22	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 01:22	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 01:22	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 01:22	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 01:22	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		05/16/19 01:22	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		05/16/19 01:22	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		05/16/19 01:22	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-11-WG-20190508** Lab ID: **40187476009** Collected: 05/08/19 08:55 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 21:25	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0055	ug/L	0.027	0.0055	1	05/15/19 08:06	05/17/19 18:02	83-32-9	
Acenaphthylene	<0.0045	ug/L	0.022	0.0045	1	05/15/19 08:06	05/17/19 18:02	208-96-8	
Anthracene	0.0097J	ug/L	0.047	0.0094	1	05/15/19 08:06	05/17/19 18:02	120-12-7	
Benzo(a)anthracene	<0.0068	ug/L	0.034	0.0068	1	05/15/19 08:06	05/17/19 18:02	56-55-3	
Benzo(a)pyrene	<0.0095	ug/L	0.047	0.0095	1	05/15/19 08:06	05/17/19 18:02	50-32-8	
Benzo(b)fluoranthene	<0.0052	ug/L	0.026	0.0052	1	05/15/19 08:06	05/17/19 18:02	205-99-2	
Benzo(g,h,i)perylene	0.012J	ug/L	0.031	0.0061	1	05/15/19 08:06	05/17/19 18:02	191-24-2	
Benzo(k)fluoranthene	<0.0068	ug/L	0.034	0.0068	1	05/15/19 08:06	05/17/19 18:02	207-08-9	
Chrysene	<0.012	ug/L	0.059	0.012	1	05/15/19 08:06	05/17/19 18:02	218-01-9	
Dibenz(a,h)anthracene	<0.0090	ug/L	0.045	0.0090	1	05/15/19 08:06	05/17/19 18:02	53-70-3	
Fluoranthene	<0.0096	ug/L	0.048	0.0096	1	05/15/19 08:06	05/17/19 18:02	206-44-0	
Fluorene	<0.0072	ug/L	0.036	0.0072	1	05/15/19 08:06	05/17/19 18:02	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.079	0.016	1	05/15/19 08:06	05/17/19 18:02	193-39-5	
1-Methylnaphthalene	<0.0053	ug/L	0.027	0.0053	1	05/15/19 08:06	05/17/19 18:02	90-12-0	
2-Methylnaphthalene	0.0045J	ug/L	0.022	0.0044	1	05/15/19 08:06	05/17/19 18:02	91-57-6	
Naphthalene	<0.017	ug/L	0.083	0.017	1	05/15/19 08:06	05/17/19 18:02	91-20-3	
Phenanthrene	<0.012	ug/L	0.062	0.012	1	05/15/19 08:06	05/17/19 18:02	85-01-8	
Pyrene	<0.0069	ug/L	0.034	0.0069	1	05/15/19 08:06	05/17/19 18:02	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	57	%	30-85		1	05/15/19 08:06	05/17/19 18:02	321-60-8	
Terphenyl-d14 (S)	83	%	10-120		1	05/15/19 08:06	05/17/19 18:02	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	2.7	ug/L	1.0	0.25	1		05/16/19 01:44	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 01:44	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 01:44	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 01:44	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 01:44	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 01:44	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 01:44	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 01:44	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 01:44	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 01:44	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 01:44	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 01:44	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 01:44	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 01:44	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 01:44	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 01:44	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 01:44	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 01:44	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 01:44	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 01:44	74-95-3	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-11-WG-20190508** Lab ID: **40187476009** Collected: 05/08/19 08:55 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 01:44	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 01:44	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 01:44	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 01:44	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 01:44	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 01:44	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 01:44	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 01:44	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 01:44	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 01:44	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 01:44	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 01:44	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 01:44	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 01:44	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 01:44	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 01:44	108-20-3	
Ethylbenzene	0.79J	ug/L	1.0	0.22	1		05/16/19 01:44	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 01:44	87-68-3	
Isopropylbenzene (Cumene)	0.92J	ug/L	5.0	0.39	1		05/16/19 01:44	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 01:44	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 01:44	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 01:44	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 01:44	91-20-3	
n-Propylbenzene	2.1J	ug/L	5.0	0.81	1		05/16/19 01:44	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 01:44	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 01:44	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 01:44	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 01:44	127-18-4	
Toluene	0.22J	ug/L	5.0	0.17	1		05/16/19 01:44	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 01:44	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 01:44	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 01:44	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 01:44	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 01:44	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 01:44	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 01:44	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 01:44	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 01:44	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 01:44	75-01-4	
m&p-Xylene	1.1J	ug/L	2.0	0.47	1		05/16/19 01:44	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 01:44	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		05/16/19 01:44	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		05/16/19 01:44	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		05/16/19 01:44	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-05-WG-20190508** Lab ID: **40187476010** Collected: 05/08/19 14:20 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<b>7.7J</b>	ug/L	21.4	6.4	1		05/16/19 21:28	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<b>0.019J</b>	ug/L	0.028	0.0057	1	05/15/19 08:06	05/17/19 21:26	83-32-9	
Acenaphthylene	<b>&lt;0.0047</b>	ug/L	0.023	0.0047	1	05/15/19 08:06	05/17/19 21:26	208-96-8	
Anthracene	<b>&lt;0.0098</b>	ug/L	0.049	0.0098	1	05/15/19 08:06	05/17/19 21:26	120-12-7	
Benzo(a)anthracene	<b>&lt;0.0071</b>	ug/L	0.035	0.0071	1	05/15/19 08:06	05/17/19 21:26	56-55-3	
Benzo(a)pyrene	<b>&lt;0.0098</b>	ug/L	0.049	0.0098	1	05/15/19 08:06	05/17/19 21:26	50-32-8	
Benzo(b)fluoranthene	<b>&lt;0.0054</b>	ug/L	0.027	0.0054	1	05/15/19 08:06	05/17/19 21:26	205-99-2	
Benzo(g,h,i)perylene	<b>&lt;0.0063</b>	ug/L	0.032	0.0063	1	05/15/19 08:06	05/17/19 21:26	191-24-2	
Benzo(k)fluoranthene	<b>&lt;0.0071</b>	ug/L	0.035	0.0071	1	05/15/19 08:06	05/17/19 21:26	207-08-9	
Chrysene	<b>&lt;0.012</b>	ug/L	0.061	0.012	1	05/15/19 08:06	05/17/19 21:26	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;0.0094</b>	ug/L	0.047	0.0094	1	05/15/19 08:06	05/17/19 21:26	53-70-3	
Fluoranthene	<b>&lt;0.010</b>	ug/L	0.050	0.010	1	05/15/19 08:06	05/17/19 21:26	206-44-0	
Fluorene	<b>&lt;0.0074</b>	ug/L	0.037	0.0074	1	05/15/19 08:06	05/17/19 21:26	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;0.016</b>	ug/L	0.082	0.016	1	05/15/19 08:06	05/17/19 21:26	193-39-5	
1-Methylnaphthalene	<b>0.083</b>	ug/L	0.028	0.0055	1	05/15/19 08:06	05/17/19 21:26	90-12-0	
2-Methylnaphthalene	<b>&lt;0.0046</b>	ug/L	0.023	0.0046	1	05/15/19 08:06	05/17/19 21:26	91-57-6	
Naphthalene	<b>0.46</b>	ug/L	0.086	0.017	1	05/15/19 08:06	05/17/19 21:26	91-20-3	
Phenanthrene	<b>&lt;0.013</b>	ug/L	0.064	0.013	1	05/15/19 08:06	05/17/19 21:26	85-01-8	
Pyrene	<b>&lt;0.0071</b>	ug/L	0.036	0.0071	1	05/15/19 08:06	05/17/19 21:26	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	43	%	30-85		1	05/15/19 08:06	05/17/19 21:26	321-60-8	
Terphenyl-d14 (S)	61	%	10-120		1	05/15/19 08:06	05/17/19 21:26	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		05/16/19 02:06	71-43-2	
Bromobenzene	<b>&lt;0.24</b>	ug/L	1.0	0.24	1		05/16/19 02:06	108-86-1	
Bromochloromethane	<b>&lt;0.36</b>	ug/L	5.0	0.36	1		05/16/19 02:06	74-97-5	
Bromodichloromethane	<b>&lt;0.36</b>	ug/L	1.2	0.36	1		05/16/19 02:06	75-27-4	
Bromoform	<b>&lt;4.0</b>	ug/L	13.2	4.0	1		05/16/19 02:06	75-25-2	
Bromomethane	<b>&lt;0.97</b>	ug/L	5.0	0.97	1		05/16/19 02:06	74-83-9	
n-Butylbenzene	<b>&lt;0.71</b>	ug/L	2.4	0.71	1		05/16/19 02:06	104-51-8	
sec-Butylbenzene	<b>5.8</b>	ug/L	5.0	0.85	1		05/16/19 02:06	135-98-8	
tert-Butylbenzene	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		05/16/19 02:06	98-06-6	
Carbon tetrachloride	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		05/16/19 02:06	56-23-5	
Chlorobenzene	<b>&lt;0.71</b>	ug/L	2.4	0.71	1		05/16/19 02:06	108-90-7	
Chloroethane	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		05/16/19 02:06	75-00-3	
Chloroform	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		05/16/19 02:06	67-66-3	
Chloromethane	<b>&lt;2.2</b>	ug/L	7.3	2.2	1		05/16/19 02:06	74-87-3	
2-Chlorotoluene	<b>&lt;0.93</b>	ug/L	5.0	0.93	1		05/16/19 02:06	95-49-8	
4-Chlorotoluene	<b>&lt;0.76</b>	ug/L	2.5	0.76	1		05/16/19 02:06	106-43-4	
1,2-Dibromo-3-chloropropane	<b>&lt;1.8</b>	ug/L	5.9	1.8	1		05/16/19 02:06	96-12-8	
Dibromochloromethane	<b>&lt;2.6</b>	ug/L	8.7	2.6	1		05/16/19 02:06	124-48-1	
1,2-Dibromoethane (EDB)	<b>&lt;0.83</b>	ug/L	2.8	0.83	1		05/16/19 02:06	106-93-4	
Dibromomethane	<b>&lt;0.94</b>	ug/L	3.1	0.94	1		05/16/19 02:06	74-95-3	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-05-WG-20190508** Lab ID: **40187476010** Collected: 05/08/19 14:20 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 02:06	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 02:06	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 02:06	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 02:06	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 02:06	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 02:06	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 02:06	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 02:06	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 02:06	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 02:06	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 02:06	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 02:06	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 02:06	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 02:06	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 02:06	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 02:06	108-20-3	
Ethylbenzene	1.8	ug/L	1.0	0.22	1		05/16/19 02:06	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 02:06	87-68-3	
Isopropylbenzene (Cumene)	21.0	ug/L	5.0	0.39	1		05/16/19 02:06	98-82-8	
p-Isopropyltoluene	1.9J	ug/L	2.7	0.80	1		05/16/19 02:06	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 02:06	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 02:06	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 02:06	91-20-3	
n-Propylbenzene	62.2	ug/L	5.0	0.81	1		05/16/19 02:06	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 02:06	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 02:06	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 02:06	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 02:06	127-18-4	
Toluene	0.17J	ug/L	5.0	0.17	1		05/16/19 02:06	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 02:06	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 02:06	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 02:06	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 02:06	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 02:06	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 02:06	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 02:06	96-18-4	
1,2,4-Trimethylbenzene	2.8J	ug/L	2.8	0.84	1		05/16/19 02:06	95-63-6	
1,3,5-Trimethylbenzene	2.2J	ug/L	2.9	0.87	1		05/16/19 02:06	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 02:06	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 02:06	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 02:06	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		05/16/19 02:06	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/16/19 02:06	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/16/19 02:06	2037-26-5	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: FS-MW-04-WG-20190508 Lab ID: 40187476011 Collected: 05/08/19 16:25 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 21:30	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0056	ug/L	0.028	0.0056	1	05/15/19 08:06	05/17/19 18:21	83-32-9	
Acenaphthylene	<0.0046	ug/L	0.023	0.0046	1	05/15/19 08:06	05/17/19 18:21	208-96-8	
Anthracene	<0.0096	ug/L	0.048	0.0096	1	05/15/19 08:06	05/17/19 18:21	120-12-7	
Benzo(a)anthracene	<0.0069	ug/L	0.035	0.0069	1	05/15/19 08:06	05/17/19 18:21	56-55-3	
Benzo(a)pyrene	<0.0097	ug/L	0.048	0.0097	1	05/15/19 08:06	05/17/19 18:21	50-32-8	
Benzo(b)fluoranthene	<0.0053	ug/L	0.026	0.0053	1	05/15/19 08:06	05/17/19 18:21	205-99-2	
Benzo(g,h,i)perylene	<0.0062	ug/L	0.031	0.0062	1	05/15/19 08:06	05/17/19 18:21	191-24-2	
Benzo(k)fluoranthene	<0.0069	ug/L	0.035	0.0069	1	05/15/19 08:06	05/17/19 18:21	207-08-9	
Chrysene	<0.012	ug/L	0.060	0.012	1	05/15/19 08:06	05/17/19 18:21	218-01-9	
Dibenz(a,h)anthracene	<0.0092	ug/L	0.046	0.0092	1	05/15/19 08:06	05/17/19 18:21	53-70-3	
Fluoranthene	<0.0098	ug/L	0.049	0.0098	1	05/15/19 08:06	05/17/19 18:21	206-44-0	
Fluorene	<0.0073	ug/L	0.037	0.0073	1	05/15/19 08:06	05/17/19 18:21	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.081	0.016	1	05/15/19 08:06	05/17/19 18:21	193-39-5	
1-Methylnaphthalene	<0.0054	ug/L	0.027	0.0054	1	05/15/19 08:06	05/17/19 18:21	90-12-0	
2-Methylnaphthalene	0.0084J	ug/L	0.022	0.0045	1	05/15/19 08:06	05/17/19 18:21	91-57-6	
Naphthalene	<0.017	ug/L	0.084	0.017	1	05/15/19 08:06	05/17/19 18:21	91-20-3	
Phenanthrene	<0.013	ug/L	0.063	0.013	1	05/15/19 08:06	05/17/19 18:21	85-01-8	
Pyrene	<0.0070	ug/L	0.035	0.0070	1	05/15/19 08:06	05/17/19 18:21	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	52	%	30-85		1	05/15/19 08:06	05/17/19 18:21	321-60-8	
Terphenyl-d14 (S)	80	%	10-120		1	05/15/19 08:06	05/17/19 18:21	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	1.2	ug/L	1.0	0.25	1		05/16/19 02:28	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 02:28	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 02:28	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 02:28	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 02:28	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 02:28	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 02:28	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 02:28	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 02:28	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 02:28	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 02:28	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 02:28	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 02:28	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 02:28	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 02:28	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 02:28	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 02:28	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 02:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 02:28	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 02:28	74-95-3	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-04-WG-20190508** Lab ID: **40187476011** Collected: 05/08/19 16:25 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 02:28	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 02:28	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 02:28	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 02:28	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 02:28	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 02:28	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 02:28	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 02:28	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 02:28	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 02:28	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 02:28	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 02:28	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 02:28	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 02:28	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 02:28	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 02:28	108-20-3	
Ethylbenzene	50.3	ug/L	1.0	0.22	1		05/16/19 02:28	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 02:28	87-68-3	
Isopropylbenzene (Cumene)	2.5J	ug/L	5.0	0.39	1		05/16/19 02:28	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 02:28	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 02:28	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 02:28	1634-04-4	
Naphthalene	3.1J	ug/L	5.0	1.2	1		05/16/19 02:28	91-20-3	
n-Propylbenzene	6.7	ug/L	5.0	0.81	1		05/16/19 02:28	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 02:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 02:28	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 02:28	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 02:28	127-18-4	
Toluene	1.6J	ug/L	5.0	0.17	1		05/16/19 02:28	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 02:28	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 02:28	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 02:28	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 02:28	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 02:28	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 02:28	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 02:28	96-18-4	
1,2,4-Trimethylbenzene	40.6	ug/L	2.8	0.84	1		05/16/19 02:28	95-63-6	
1,3,5-Trimethylbenzene	12.6	ug/L	2.9	0.87	1		05/16/19 02:28	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 02:28	75-01-4	
m&p-Xylene	120	ug/L	2.0	0.47	1		05/16/19 02:28	179601-23-1	
o-Xylene	29.5	ug/L	1.0	0.26	1		05/16/19 02:28	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/16/19 02:28	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		05/16/19 02:28	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/16/19 02:28	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-08-WG-20190508** Lab ID: **40187476012** Collected: 05/08/19 17:55 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 21:33	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0056	ug/L	0.028	0.0056	1	05/15/19 08:06	05/17/19 18:39	83-32-9	
Acenaphthylene	<0.0046	ug/L	0.023	0.0046	1	05/15/19 08:06	05/17/19 18:39	208-96-8	
Anthracene	<0.0096	ug/L	0.048	0.0096	1	05/15/19 08:06	05/17/19 18:39	120-12-7	
Benzo(a)anthracene	<0.0069	ug/L	0.035	0.0069	1	05/15/19 08:06	05/17/19 18:39	56-55-3	
Benzo(a)pyrene	<0.0097	ug/L	0.048	0.0097	1	05/15/19 08:06	05/17/19 18:39	50-32-8	
Benzo(b)fluoranthene	<0.0053	ug/L	0.026	0.0053	1	05/15/19 08:06	05/17/19 18:39	205-99-2	
Benzo(g,h,i)perylene	<0.0062	ug/L	0.031	0.0062	1	05/15/19 08:06	05/17/19 18:39	191-24-2	
Benzo(k)fluoranthene	<0.0069	ug/L	0.035	0.0069	1	05/15/19 08:06	05/17/19 18:39	207-08-9	
Chrysene	<0.012	ug/L	0.060	0.012	1	05/15/19 08:06	05/17/19 18:39	218-01-9	
Dibenz(a,h)anthracene	<0.0092	ug/L	0.046	0.0092	1	05/15/19 08:06	05/17/19 18:39	53-70-3	
Fluoranthene	<0.0098	ug/L	0.049	0.0098	1	05/15/19 08:06	05/17/19 18:39	206-44-0	
Fluorene	<0.0073	ug/L	0.037	0.0073	1	05/15/19 08:06	05/17/19 18:39	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.081	0.016	1	05/15/19 08:06	05/17/19 18:39	193-39-5	
1-Methylnaphthalene	<0.0054	ug/L	0.027	0.0054	1	05/15/19 08:06	05/17/19 18:39	90-12-0	
2-Methylnaphthalene	<0.0045	ug/L	0.022	0.0045	1	05/15/19 08:06	05/17/19 18:39	91-57-6	
Naphthalene	<0.017	ug/L	0.084	0.017	1	05/15/19 08:06	05/17/19 18:39	91-20-3	
Phenanthrene	<0.013	ug/L	0.063	0.013	1	05/15/19 08:06	05/17/19 18:39	85-01-8	
Pyrene	<0.0070	ug/L	0.035	0.0070	1	05/15/19 08:06	05/17/19 18:39	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	54	%	30-85		1	05/15/19 08:06	05/17/19 18:39	321-60-8	
Terphenyl-d14 (S)	87	%	10-120		1	05/15/19 08:06	05/17/19 18:39	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 02:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 02:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 02:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 02:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 02:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 02:50	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 02:50	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 02:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 02:50	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 02:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 02:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 02:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 02:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 02:50	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 02:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 02:50	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 02:50	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 02:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 02:50	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 02:50	74-95-3	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: FS-MW-08-WG-20190508**    **Lab ID: 40187476012**    Collected: 05/08/19 17:55    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 02:50	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 02:50	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 02:50	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 02:50	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 02:50	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 02:50	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 02:50	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 02:50	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 02:50	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 02:50	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 02:50	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 02:50	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 02:50	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 02:50	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 02:50	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 02:50	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 02:50	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 02:50	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 02:50	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 02:50	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 02:50	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 02:50	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 02:50	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 02:50	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 02:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 02:50	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 02:50	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 02:50	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 02:50	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 02:50	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 02:50	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 02:50	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 02:50	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 02:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 02:50	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 02:50	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 02:50	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 02:50	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 02:50	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 02:50	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 02:50	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	83	%	70-130		1		05/16/19 02:50	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		05/16/19 02:50	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/16/19 02:50	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: FS-MW-10-WG-20190509 Lab ID: 40187476013 Collected: 05/09/19 09:10 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<b>10.5J</b>	ug/L	21.4	6.4	1		05/16/19 21:35	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<b>&lt;0.0056</b>	ug/L	0.028	0.0056	1	05/15/19 08:06	05/17/19 20:12	83-32-9	
Acenaphthylene	<b>&lt;0.0046</b>	ug/L	0.023	0.0046	1	05/15/19 08:06	05/17/19 20:12	208-96-8	
Anthracene	<b>&lt;0.0096</b>	ug/L	0.048	0.0096	1	05/15/19 08:06	05/17/19 20:12	120-12-7	
Benzo(a)anthracene	<b>&lt;0.0069</b>	ug/L	0.035	0.0069	1	05/15/19 08:06	05/17/19 20:12	56-55-3	
Benzo(a)pyrene	<b>&lt;0.0097</b>	ug/L	0.048	0.0097	1	05/15/19 08:06	05/17/19 20:12	50-32-8	
Benzo(b)fluoranthene	<b>&lt;0.0053</b>	ug/L	0.026	0.0053	1	05/15/19 08:06	05/17/19 20:12	205-99-2	
Benzo(g,h,i)perylene	<b>&lt;0.0062</b>	ug/L	0.031	0.0062	1	05/15/19 08:06	05/17/19 20:12	191-24-2	
Benzo(k)fluoranthene	<b>&lt;0.0069</b>	ug/L	0.035	0.0069	1	05/15/19 08:06	05/17/19 20:12	207-08-9	
Chrysene	<b>&lt;0.012</b>	ug/L	0.060	0.012	1	05/15/19 08:06	05/17/19 20:12	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;0.0092</b>	ug/L	0.046	0.0092	1	05/15/19 08:06	05/17/19 20:12	53-70-3	
Fluoranthene	<b>&lt;0.0098</b>	ug/L	0.049	0.0098	1	05/15/19 08:06	05/17/19 20:12	206-44-0	
Fluorene	<b>&lt;0.0073</b>	ug/L	0.037	0.0073	1	05/15/19 08:06	05/17/19 20:12	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;0.016</b>	ug/L	0.081	0.016	1	05/15/19 08:06	05/17/19 20:12	193-39-5	
1-Methylnaphthalene	<b>0.0076J</b>	ug/L	0.027	0.0054	1	05/15/19 08:06	05/17/19 20:12	90-12-0	
2-Methylnaphthalene	<b>0.0067J</b>	ug/L	0.022	0.0045	1	05/15/19 08:06	05/17/19 20:12	91-57-6	
Naphthalene	<b>&lt;0.017</b>	ug/L	0.084	0.017	1	05/15/19 08:06	05/17/19 20:12	91-20-3	
Phenanthrene	<b>&lt;0.013</b>	ug/L	0.063	0.013	1	05/15/19 08:06	05/17/19 20:12	85-01-8	
Pyrene	<b>&lt;0.0070</b>	ug/L	0.035	0.0070	1	05/15/19 08:06	05/17/19 20:12	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	55	%	30-85		1	05/15/19 08:06	05/17/19 20:12	321-60-8	
Terphenyl-d14 (S)	83	%	10-120		1	05/15/19 08:06	05/17/19 20:12	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		05/16/19 13:22	71-43-2	
Bromobenzene	<b>&lt;0.24</b>	ug/L	1.0	0.24	1		05/16/19 13:22	108-86-1	
Bromochloromethane	<b>&lt;0.36</b>	ug/L	5.0	0.36	1		05/16/19 13:22	74-97-5	
Bromodichloromethane	<b>&lt;0.36</b>	ug/L	1.2	0.36	1		05/16/19 13:22	75-27-4	
Bromoform	<b>&lt;4.0</b>	ug/L	13.2	4.0	1		05/16/19 13:22	75-25-2	
Bromomethane	<b>&lt;0.97</b>	ug/L	5.0	0.97	1		05/16/19 13:22	74-83-9	
n-Butylbenzene	<b>&lt;0.71</b>	ug/L	2.4	0.71	1		05/16/19 13:22	104-51-8	
sec-Butylbenzene	<b>&lt;0.85</b>	ug/L	5.0	0.85	1		05/16/19 13:22	135-98-8	
tert-Butylbenzene	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		05/16/19 13:22	98-06-6	
Carbon tetrachloride	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		05/16/19 13:22	56-23-5	
Chlorobenzene	<b>&lt;0.71</b>	ug/L	2.4	0.71	1		05/16/19 13:22	108-90-7	
Chloroethane	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		05/16/19 13:22	75-00-3	
Chloroform	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		05/16/19 13:22	67-66-3	
Chloromethane	<b>&lt;2.2</b>	ug/L	7.3	2.2	1		05/16/19 13:22	74-87-3	
2-Chlorotoluene	<b>&lt;0.93</b>	ug/L	5.0	0.93	1		05/16/19 13:22	95-49-8	
4-Chlorotoluene	<b>&lt;0.76</b>	ug/L	2.5	0.76	1		05/16/19 13:22	106-43-4	
1,2-Dibromo-3-chloropropane	<b>&lt;1.8</b>	ug/L	5.9	1.8	1		05/16/19 13:22	96-12-8	
Dibromochloromethane	<b>&lt;2.6</b>	ug/L	8.7	2.6	1		05/16/19 13:22	124-48-1	
1,2-Dibromoethane (EDB)	<b>&lt;0.83</b>	ug/L	2.8	0.83	1		05/16/19 13:22	106-93-4	
Dibromomethane	<b>&lt;0.94</b>	ug/L	3.1	0.94	1		05/16/19 13:22	74-95-3	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **FS-MW-10-WG-20190509** Lab ID: **40187476013** Collected: 05/09/19 09:10 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 13:22	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 13:22	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 13:22	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 13:22	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 13:22	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 13:22	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 13:22	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 13:22	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 13:22	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 13:22	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 13:22	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 13:22	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 13:22	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 13:22	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 13:22	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 13:22	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 13:22	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 13:22	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 13:22	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 13:22	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 13:22	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 13:22	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 13:22	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 13:22	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 13:22	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 13:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 13:22	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 13:22	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 13:22	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 13:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 13:22	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 13:22	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 13:22	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 13:22	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 13:22	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 13:22	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 13:22	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 13:22	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 13:22	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 13:22	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 13:22	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1		05/16/19 13:22	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/16/19 13:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/16/19 13:22	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

**Sample: SR-MW-14-WG-20190509**    **Lab ID: 40187476014**    Collected: 05/09/19 10:25    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 13:44	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 13:44	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 13:44	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 13:44	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 13:44	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 13:44	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 13:44	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 13:44	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 13:44	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 13:44	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 13:44	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 13:44	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 13:44	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 13:44	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 13:44	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 13:44	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 13:44	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 13:44	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 13:44	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 13:44	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 13:44	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 13:44	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 13:44	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 13:44	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 13:44	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 13:44	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 13:44	75-35-4	
cis-1,2-Dichloroethene	22.4	ug/L	1.0	0.27	1		05/16/19 13:44	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 13:44	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 13:44	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 13:44	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 13:44	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 13:44	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 13:44	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 13:44	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 13:44	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 13:44	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 13:44	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 13:44	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 13:44	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 13:44	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 13:44	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 13:44	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 13:44	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 13:44	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 13:44	630-20-6	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: SR-MW-14-WG-20190509**    **Lab ID: 40187476014**    Collected: 05/09/19 10:25    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 13:44	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 13:44	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 13:44	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 13:44	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 13:44	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 13:44	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 13:44	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 13:44	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 13:44	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 13:44	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 13:44	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 13:44	108-67-8	
Vinyl chloride	51.3	ug/L	1.0	0.17	1		05/16/19 13:44	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 13:44	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 13:44	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1		05/16/19 13:44	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/16/19 13:44	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/16/19 13:44	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: SR-MW-15-WG-20190509**    **Lab ID: 40187476015**    Collected: 05/09/19 11:25    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 14:06	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 14:06	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 14:06	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 14:06	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 14:06	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 14:06	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:06	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 14:06	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 14:06	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 14:06	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:06	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 14:06	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 14:06	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 14:06	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 14:06	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 14:06	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 14:06	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 14:06	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 14:06	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 14:06	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:06	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 14:06	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 14:06	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 14:06	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 14:06	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 14:06	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 14:06	75-35-4	
cis-1,2-Dichloroethene	2.3	ug/L	1.0	0.27	1		05/16/19 14:06	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 14:06	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 14:06	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 14:06	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 14:06	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 14:06	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 14:06	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 14:06	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 14:06	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 14:06	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 14:06	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 14:06	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 14:06	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 14:06	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 14:06	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 14:06	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 14:06	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 14:06	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 14:06	630-20-6	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: SR-MW-15-WG-20190509**    **Lab ID: 40187476015**    Collected: 05/09/19 11:25    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 14:06	79-34-5	
Tetrachloroethene	11.5	ug/L	1.1	0.33	1		05/16/19 14:06	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 14:06	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 14:06	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 14:06	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 14:06	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 14:06	79-00-5	
Trichloroethene	1.1	ug/L	1.0	0.26	1		05/16/19 14:06	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 14:06	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 14:06	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 14:06	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 14:06	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 14:06	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 14:06	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 14:06	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	86	%	70-130		1		05/16/19 14:06	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		05/16/19 14:06	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/16/19 14:06	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: SR-MW-16A-WG-20190509**    **Lab ID: 40187476016**    Collected: 05/09/19 13:55    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 14:29	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 14:29	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 14:29	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 14:29	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 14:29	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 14:29	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:29	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 14:29	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 14:29	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 14:29	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:29	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 14:29	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 14:29	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 14:29	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 14:29	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 14:29	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 14:29	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 14:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 14:29	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 14:29	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:29	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 14:29	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 14:29	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 14:29	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 14:29	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 14:29	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 14:29	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 14:29	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 14:29	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 14:29	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 14:29	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 14:29	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 14:29	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 14:29	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 14:29	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 14:29	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 14:29	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 14:29	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 14:29	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 14:29	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 14:29	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 14:29	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 14:29	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 14:29	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 14:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 14:29	630-20-6	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: SR-MW-16A-WG-20190509**    **Lab ID: 40187476016**    Collected: 05/09/19 13:55    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 14:29	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 14:29	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 14:29	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 14:29	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 14:29	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 14:29	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 14:29	79-00-5	
Trichloroethene	0.95J	ug/L	1.0	0.26	1		05/16/19 14:29	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 14:29	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 14:29	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 14:29	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 14:29	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 14:29	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 14:29	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 14:29	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85	%	70-130		1		05/16/19 14:29	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/16/19 14:29	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/16/19 14:29	2037-26-5	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

**Sample: SR-MW-16B-WG-20190509** Lab ID: 40187476017 Collected: 05/09/19 14:30 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	1.3	ug/L	1.0	0.25	1		05/16/19 14:51	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 14:51	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 14:51	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 14:51	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 14:51	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 14:51	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:51	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 14:51	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 14:51	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 14:51	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:51	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 14:51	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 14:51	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 14:51	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 14:51	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 14:51	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 14:51	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 14:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 14:51	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 14:51	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:51	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 14:51	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 14:51	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 14:51	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 14:51	75-34-3	
1,2-Dichloroethane	21.2	ug/L	1.0	0.28	1		05/16/19 14:51	107-06-2	
1,1-Dichloroethene	0.32J	ug/L	1.0	0.24	1		05/16/19 14:51	75-35-4	
cis-1,2-Dichloroethene	44.7	ug/L	1.0	0.27	1		05/16/19 14:51	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 14:51	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 14:51	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 14:51	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 14:51	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 14:51	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 14:51	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 14:51	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 14:51	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 14:51	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 14:51	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 14:51	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 14:51	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 14:51	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 14:51	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 14:51	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 14:51	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 14:51	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 14:51	630-20-6	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: SR-MW-16B-WG-20190509**    **Lab ID: 40187476017**    Collected: 05/09/19 14:30    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 14:51	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 14:51	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 14:51	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 14:51	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 14:51	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 14:51	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 14:51	79-00-5	
Trichloroethene	0.66J	ug/L	1.0	0.26	1		05/16/19 14:51	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 14:51	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 14:51	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 14:51	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 14:51	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 14:51	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 14:51	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 14:51	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/16/19 14:51	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		05/16/19 14:51	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/16/19 14:51	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **TS-MW-17A-WG-20190509** Lab ID: **40187476018** Collected: 05/09/19 16:00 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	1.6	ug/L	1.0	0.25	1		05/16/19 15:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 15:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 15:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 15:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 15:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 15:58	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:58	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 15:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 15:58	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 15:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 15:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 15:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 15:58	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 15:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 15:58	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 15:58	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 15:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 15:58	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 15:58	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:58	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 15:58	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 15:58	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 15:58	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:58	75-34-3	
1,2-Dichloroethane	8240	ug/L	400	112	400		05/17/19 12:40	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 15:58	75-35-4	
cis-1,2-Dichloroethene	1.3	ug/L	1.0	0.27	1		05/16/19 15:58	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 15:58	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:58	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 15:58	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 15:58	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 15:58	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 15:58	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 15:58	10061-02-6	
Diisopropyl ether	9.7	ug/L	6.3	1.9	1		05/16/19 15:58	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 15:58	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 15:58	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 15:58	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 15:58	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 15:58	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 15:58	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 15:58	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 15:58	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 15:58	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:58	630-20-6	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

**Sample: TS-MW-17A-WG-20190509**    **Lab ID: 40187476018**    Collected: 05/09/19 16:00    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:58	79-34-5	
Tetrachloroethene	0.56J	ug/L	1.1	0.33	1		05/16/19 15:58	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 15:58	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 15:58	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 15:58	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 15:58	71-55-6	
1,1,2-Trichloroethane	0.68J	ug/L	5.0	0.55	1		05/16/19 15:58	79-00-5	
Trichloroethene	1.7	ug/L	1.0	0.26	1		05/16/19 15:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 15:58	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 15:58	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 15:58	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 15:58	108-67-8	
Vinyl chloride	13.5	ug/L	1.0	0.17	1		05/16/19 15:58	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 15:58	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 15:58	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		05/16/19 15:58	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		05/16/19 15:58	1868-53-7	
Toluene-d8 (S)	86	%	70-130		1		05/16/19 15:58	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **TS-MW-17C-WG-20190510** Lab ID: **40187476019** Collected: 05/10/19 11:11 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 15:14	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 15:14	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 15:14	74-97-5	
Bromodichloromethane	2.2	ug/L	1.2	0.36	1		05/16/19 15:14	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 15:14	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 15:14	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:14	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 15:14	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 15:14	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 15:14	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:14	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 15:14	75-00-3	
Chloroform	2.2J	ug/L	5.0	1.3	1		05/16/19 15:14	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 15:14	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 15:14	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 15:14	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 15:14	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 15:14	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 15:14	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 15:14	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:14	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 15:14	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 15:14	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 15:14	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:14	75-34-3	
1,2-Dichloroethane	30.3	ug/L	1.0	0.28	1		05/16/19 15:14	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 15:14	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 15:14	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 15:14	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:14	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 15:14	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 15:14	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 15:14	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 15:14	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 15:14	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 15:14	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 15:14	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 15:14	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 15:14	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 15:14	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 15:14	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 15:14	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 15:14	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 15:14	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 15:14	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:14	630-20-6	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: TS-MW-17C-WG-20190510**    **Lab ID: 40187476019**    Collected: 05/10/19 11:11    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:14	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 15:14	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 15:14	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 15:14	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 15:14	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 15:14	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 15:14	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 15:14	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 15:14	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 15:14	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 15:14	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 15:14	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 15:14	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 15:14	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 15:14	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	86	%	70-130		1		05/16/19 15:14	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		05/16/19 15:14	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		05/16/19 15:14	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: **TS-MW-17B-WG-20190510** Lab ID: **40187476020** Collected: 05/10/19 12:45 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 15:36	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 15:36	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 15:36	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 15:36	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 15:36	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 15:36	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:36	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 15:36	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 15:36	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 15:36	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:36	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 15:36	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 15:36	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 15:36	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 15:36	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 15:36	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 15:36	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 15:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 15:36	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 15:36	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:36	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 15:36	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 15:36	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 15:36	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:36	75-34-3	
1,2-Dichloroethane	<b>5550</b>	ug/L	200	56.0	200		05/17/19 12:18	107-06-2	
1,1-Dichloroethene	<b>0.43J</b>	ug/L	1.0	0.24	1		05/16/19 15:36	75-35-4	
cis-1,2-Dichloroethene	<b>0.50J</b>	ug/L	1.0	0.27	1		05/16/19 15:36	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 15:36	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:36	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 15:36	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 15:36	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 15:36	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 15:36	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 15:36	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 15:36	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 15:36	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 15:36	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 15:36	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 15:36	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 15:36	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 15:36	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 15:36	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 15:36	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 15:36	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:36	630-20-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: TS-MW-17B-WG-20190510**    **Lab ID: 40187476020**    Collected: 05/10/19 12:45    Received: 05/11/19 08:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:36	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 15:36	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 15:36	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 15:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 15:36	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 15:36	71-55-6	
1,1,2-Trichloroethane	2.0J	ug/L	5.0	0.55	1		05/16/19 15:36	79-00-5	
Trichloroethene	0.75J	ug/L	1.0	0.26	1		05/16/19 15:36	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 15:36	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 15:36	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 15:36	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 15:36	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 15:36	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/16/19 15:36	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/16/19 15:36	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/16/19 15:36	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		05/16/19 15:36	1868-53-7	
Toluene-d8 (S)	84	%	70-130		1		05/16/19 15:36	2037-26-5	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Sample: DUP-01-WG-20190507 Lab ID: 40187476021 Collected: 05/07/19 00:00 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 21:37	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0055	ug/L	0.028	0.0055	1	05/14/19 08:12	05/15/19 22:21	83-32-9	
Acenaphthylene	<0.0045	ug/L	0.023	0.0045	1	05/14/19 08:12	05/15/19 22:21	208-96-8	
Anthracene	0.012J	ug/L	0.048	0.0095	1	05/14/19 08:12	05/15/19 22:21	120-12-7	
Benzo(a)anthracene	0.0069J	ug/L	0.034	0.0069	1	05/14/19 08:12	05/15/19 22:21	56-55-3	
Benzo(a)pyrene	<0.0096	ug/L	0.048	0.0096	1	05/14/19 08:12	05/15/19 22:21	50-32-8	
Benzo(b)fluoranthene	<0.0052	ug/L	0.026	0.0052	1	05/14/19 08:12	05/15/19 22:21	205-99-2	
Benzo(g,h,i)perylene	<0.0062	ug/L	0.031	0.0062	1	05/14/19 08:12	05/15/19 22:21	191-24-2	
Benzo(k)fluoranthene	<0.0069	ug/L	0.034	0.0069	1	05/14/19 08:12	05/15/19 22:21	207-08-9	
Chrysene	<0.012	ug/L	0.059	0.012	1	05/14/19 08:12	05/15/19 22:21	218-01-9	
Dibenz(a,h)anthracene	<0.0091	ug/L	0.046	0.0091	1	05/14/19 08:12	05/15/19 22:21	53-70-3	
Fluoranthene	<0.0097	ug/L	0.048	0.0097	1	05/14/19 08:12	05/15/19 22:21	206-44-0	
Fluorene	<0.0072	ug/L	0.036	0.0072	1	05/14/19 08:12	05/15/19 22:21	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.080	0.016	1	05/14/19 08:12	05/15/19 22:21	193-39-5	
1-Methylnaphthalene	0.0084J	ug/L	0.027	0.0054	1	05/14/19 08:12	05/15/19 22:21	90-12-0	
2-Methylnaphthalene	0.0071J	ug/L	0.022	0.0045	1	05/14/19 08:12	05/15/19 22:21	91-57-6	
Naphthalene	<0.017	ug/L	0.083	0.017	1	05/14/19 08:12	05/15/19 22:21	91-20-3	
Phenanthrene	0.030J	ug/L	0.063	0.013	1	05/14/19 08:12	05/15/19 22:21	85-01-8	
Pyrene	0.0071J	ug/L	0.035	0.0070	1	05/14/19 08:12	05/15/19 22:21	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	58	%	30-85		1	05/14/19 08:12	05/15/19 22:21	321-60-8	
Terphenyl-d14 (S)	81	%	10-120		1	05/14/19 08:12	05/15/19 22:21	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/15/19 00:21	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/15/19 00:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/15/19 00:21	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/15/19 00:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/15/19 00:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/15/19 00:21	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 00:21	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/15/19 00:21	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/15/19 00:21	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/15/19 00:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 00:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/15/19 00:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/15/19 00:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/15/19 00:21	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/15/19 00:21	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/15/19 00:21	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/15/19 00:21	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/15/19 00:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/15/19 00:21	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/15/19 00:21	74-95-3	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

**Sample: DUP-01-WG-20190507**      **Lab ID: 40187476021**      Collected: 05/07/19 00:00      Received: 05/11/19 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 00:21	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/15/19 00:21	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/15/19 00:21	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/15/19 00:21	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 00:21	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 00:21	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/15/19 00:21	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/15/19 00:21	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/15/19 00:21	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/15/19 00:21	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/15/19 00:21	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/15/19 00:21	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/15/19 00:21	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/15/19 00:21	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/15/19 00:21	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/15/19 00:21	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/15/19 00:21	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/15/19 00:21	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/15/19 00:21	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/15/19 00:21	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/15/19 00:21	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/15/19 00:21	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/15/19 00:21	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/15/19 00:21	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/15/19 00:21	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/15/19 00:21	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/15/19 00:21	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/15/19 00:21	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/15/19 00:21	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/15/19 00:21	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/15/19 00:21	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/15/19 00:21	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/15/19 00:21	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/15/19 00:21	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/15/19 00:21	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/15/19 00:21	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/15/19 00:21	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/15/19 00:21	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/15/19 00:21	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/15/19 00:21	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/15/19 00:21	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/15/19 00:21	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		05/15/19 00:21	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/15/19 00:21	2037-26-5	

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## ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

Sample: DUP-02-WG-20190508 Lab ID: 40187476022 Collected: 05/08/19 00:00 Received: 05/11/19 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Lead, Dissolved	<6.4	ug/L	21.4	6.4	1		05/16/19 21:40	7439-92-1	
<b>8270 MSSV PAH by HVI</b>		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0056	ug/L	0.028	0.0056	1	05/15/19 08:06	05/17/19 18:58	83-32-9	
Acenaphthylene	<0.0046	ug/L	0.023	0.0046	1	05/15/19 08:06	05/17/19 18:58	208-96-8	
Anthracene	<0.0096	ug/L	0.048	0.0096	1	05/15/19 08:06	05/17/19 18:58	120-12-7	
Benzo(a)anthracene	<0.0069	ug/L	0.035	0.0069	1	05/15/19 08:06	05/17/19 18:58	56-55-3	
Benzo(a)pyrene	<0.0097	ug/L	0.048	0.0097	1	05/15/19 08:06	05/17/19 18:58	50-32-8	
Benzo(b)fluoranthene	<0.0053	ug/L	0.026	0.0053	1	05/15/19 08:06	05/17/19 18:58	205-99-2	
Benzo(g,h,i)perylene	<0.0062	ug/L	0.031	0.0062	1	05/15/19 08:06	05/17/19 18:58	191-24-2	
Benzo(k)fluoranthene	<0.0069	ug/L	0.035	0.0069	1	05/15/19 08:06	05/17/19 18:58	207-08-9	
Chrysene	<0.012	ug/L	0.060	0.012	1	05/15/19 08:06	05/17/19 18:58	218-01-9	
Dibenz(a,h)anthracene	<0.0092	ug/L	0.046	0.0092	1	05/15/19 08:06	05/17/19 18:58	53-70-3	
Fluoranthene	<0.0098	ug/L	0.049	0.0098	1	05/15/19 08:06	05/17/19 18:58	206-44-0	
Fluorene	<0.0073	ug/L	0.037	0.0073	1	05/15/19 08:06	05/17/19 18:58	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.081	0.016	1	05/15/19 08:06	05/17/19 18:58	193-39-5	
1-Methylnaphthalene	<0.0054	ug/L	0.027	0.0054	1	05/15/19 08:06	05/17/19 18:58	90-12-0	
2-Methylnaphthalene	<0.0045	ug/L	0.022	0.0045	1	05/15/19 08:06	05/17/19 18:58	91-57-6	
Naphthalene	<0.017	ug/L	0.084	0.017	1	05/15/19 08:06	05/17/19 18:58	91-20-3	
Phenanthrene	<0.013	ug/L	0.063	0.013	1	05/15/19 08:06	05/17/19 18:58	85-01-8	
Pyrene	<0.0070	ug/L	0.035	0.0070	1	05/15/19 08:06	05/17/19 18:58	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	48	%	30-85		1	05/15/19 08:06	05/17/19 18:58	321-60-8	
Terphenyl-d14 (S)	74	%	10-120		1	05/15/19 08:06	05/17/19 18:58	1718-51-0	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	2.4	ug/L	1.0	0.25	1		05/15/19 00:44	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/15/19 00:44	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/15/19 00:44	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/15/19 00:44	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/15/19 00:44	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/15/19 00:44	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 00:44	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/15/19 00:44	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/15/19 00:44	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/15/19 00:44	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/15/19 00:44	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/15/19 00:44	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/15/19 00:44	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/15/19 00:44	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/15/19 00:44	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/15/19 00:44	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/15/19 00:44	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/15/19 00:44	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/15/19 00:44	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/15/19 00:44	74-95-3	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: FB-01-WQ-20190510**      **Lab ID: 40187476023**      Collected: 05/10/19 13:15      Received: 05/11/19 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/14/19 10:41	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/14/19 10:41	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/14/19 10:41	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/14/19 10:41	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/14/19 10:41	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/14/19 10:41	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/14/19 10:41	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/14/19 10:41	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/14/19 10:41	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/14/19 10:41	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/14/19 10:41	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/14/19 10:41	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/14/19 10:41	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/14/19 10:41	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/14/19 10:41	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/14/19 10:41	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/14/19 10:41	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/14/19 10:41	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/14/19 10:41	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/14/19 10:41	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/14/19 10:41	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/14/19 10:41	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/14/19 10:41	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/14/19 10:41	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/14/19 10:41	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/14/19 10:41	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/14/19 10:41	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/14/19 10:41	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/14/19 10:41	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/14/19 10:41	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/14/19 10:41	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/14/19 10:41	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/14/19 10:41	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/14/19 10:41	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/14/19 10:41	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/14/19 10:41	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/14/19 10:41	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/14/19 10:41	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/14/19 10:41	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/14/19 10:41	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/14/19 10:41	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/14/19 10:41	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/14/19 10:41	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/14/19 10:41	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/14/19 10:41	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/14/19 10:41	630-20-6	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: FB-01-WQ-20190510**      **Lab ID: 40187476023**      Collected: 05/10/19 13:15      Received: 05/11/19 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/14/19 10:41	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/14/19 10:41	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/14/19 10:41	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/14/19 10:41	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/14/19 10:41	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/14/19 10:41	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/14/19 10:41	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/14/19 10:41	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/14/19 10:41	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/14/19 10:41	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/14/19 10:41	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/14/19 10:41	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/14/19 10:41	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/14/19 10:41	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/14/19 10:41	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/14/19 10:41	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		05/14/19 10:41	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/14/19 10:41	2037-26-5	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: TB-01-WQ-20190510**      **Lab ID: 40187476024**      Collected: 05/10/19 00:00      Received: 05/11/19 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		05/14/19 10:18	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/14/19 10:18	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/14/19 10:18	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/14/19 10:18	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/14/19 10:18	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/14/19 10:18	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/14/19 10:18	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/14/19 10:18	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/14/19 10:18	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/14/19 10:18	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/14/19 10:18	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/14/19 10:18	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/14/19 10:18	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/14/19 10:18	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/14/19 10:18	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/14/19 10:18	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/14/19 10:18	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/14/19 10:18	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/14/19 10:18	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/14/19 10:18	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/14/19 10:18	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/14/19 10:18	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/14/19 10:18	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/14/19 10:18	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/14/19 10:18	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/14/19 10:18	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/14/19 10:18	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/14/19 10:18	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/14/19 10:18	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/14/19 10:18	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/14/19 10:18	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/14/19 10:18	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/14/19 10:18	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/14/19 10:18	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/14/19 10:18	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/14/19 10:18	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/14/19 10:18	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/14/19 10:18	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/14/19 10:18	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/14/19 10:18	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/14/19 10:18	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/14/19 10:18	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/14/19 10:18	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/14/19 10:18	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		05/14/19 10:18	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/14/19 10:18	630-20-6	

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### ANALYTICAL RESULTS

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

**Sample: TB-01-WQ-20190510**      **Lab ID: 40187476024**      Collected: 05/10/19 00:00      Received: 05/11/19 08:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/14/19 10:18	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/14/19 10:18	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		05/14/19 10:18	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/14/19 10:18	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/14/19 10:18	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/14/19 10:18	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/14/19 10:18	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/14/19 10:18	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/14/19 10:18	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/14/19 10:18	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/14/19 10:18	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/14/19 10:18	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/14/19 10:18	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		05/14/19 10:18	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		05/14/19 10:18	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/14/19 10:18	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		05/14/19 10:18	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/14/19 10:18	2037-26-5	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

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QC Batch: 321591 Analysis Method: EPA 6010  
 QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved  
 Associated Lab Samples: 40187476001, 40187476002, 40187476003, 40187476004, 40187476005, 40187476006, 40187476007, 40187476008, 40187476009, 40187476010, 40187476011, 40187476012, 40187476013, 40187476021, 40187476022

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METHOD BLANK: 1867649 Matrix: Water  
 Associated Lab Samples: 40187476001, 40187476002, 40187476003, 40187476004, 40187476005, 40187476006, 40187476007, 40187476008, 40187476009, 40187476010, 40187476011, 40187476012, 40187476013, 40187476021, 40187476022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<6.4	21.4	05/16/19 20:50	

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LABORATORY CONTROL SAMPLE: 1867650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	468	94	80-120	

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MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1867651 1867652

Parameter	Units	40187476001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	<6.4	500	500	468	465	92	92	75-125	1	20	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

QC Batch: 321085 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV

Associated Lab Samples: 40187476001, 40187476002, 40187476003, 40187476004, 40187476005, 40187476006, 40187476007, 40187476008, 40187476009, 40187476010, 40187476011, 40187476012

METHOD BLANK: 1865318 Matrix: Water

Associated Lab Samples: 40187476001, 40187476002, 40187476003, 40187476004, 40187476005, 40187476006, 40187476007, 40187476008, 40187476009, 40187476010, 40187476011, 40187476012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/15/19 06:40	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/15/19 06:40	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/15/19 06:40	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/15/19 06:40	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/15/19 06:40	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/15/19 06:40	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/15/19 06:40	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	05/15/19 06:40	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/15/19 06:40	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/15/19 06:40	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/15/19 06:40	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/15/19 06:40	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/15/19 06:40	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/15/19 06:40	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/15/19 06:40	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/15/19 06:40	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/15/19 06:40	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/15/19 06:40	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/15/19 06:40	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/15/19 06:40	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/15/19 06:40	
2-Chlorotoluene	ug/L	<0.93	5.0	05/15/19 06:40	
4-Chlorotoluene	ug/L	<0.76	2.5	05/15/19 06:40	
Benzene	ug/L	<0.25	1.0	05/15/19 06:40	
Bromobenzene	ug/L	<0.24	1.0	05/15/19 06:40	
Bromochloromethane	ug/L	<0.36	5.0	05/15/19 06:40	
Bromodichloromethane	ug/L	<0.36	1.2	05/15/19 06:40	
Bromoform	ug/L	<4.0	13.2	05/15/19 06:40	
Bromomethane	ug/L	<0.97	5.0	05/15/19 06:40	
Carbon tetrachloride	ug/L	<0.17	1.0	05/15/19 06:40	
Chlorobenzene	ug/L	<0.71	2.4	05/15/19 06:40	
Chloroethane	ug/L	<1.3	5.0	05/15/19 06:40	
Chloroform	ug/L	<1.3	5.0	05/15/19 06:40	
Chloromethane	ug/L	<2.2	7.3	05/15/19 06:40	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/15/19 06:40	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/15/19 06:40	
Dibromochloromethane	ug/L	<2.6	8.7	05/15/19 06:40	
Dibromomethane	ug/L	<0.94	3.1	05/15/19 06:40	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/15/19 06:40	
Diisopropyl ether	ug/L	<1.9	6.3	05/15/19 06:40	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

METHOD BLANK: 1865318

Matrix: Water

Associated Lab Samples: 40187476001, 40187476002, 40187476003, 40187476004, 40187476005, 40187476006, 40187476007, 40187476008, 40187476009, 40187476010, 40187476011, 40187476012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	05/15/19 06:40	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	05/15/19 06:40	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	05/15/19 06:40	
m&p-Xylene	ug/L	<0.47	2.0	05/15/19 06:40	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/15/19 06:40	
Methylene Chloride	ug/L	<0.58	5.0	05/15/19 06:40	
n-Butylbenzene	ug/L	<0.71	2.4	05/15/19 06:40	
n-Propylbenzene	ug/L	<0.81	5.0	05/15/19 06:40	
Naphthalene	ug/L	<1.2	5.0	05/15/19 06:40	
o-Xylene	ug/L	<0.26	1.0	05/15/19 06:40	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/15/19 06:40	
sec-Butylbenzene	ug/L	<0.85	5.0	05/15/19 06:40	
Styrene	ug/L	<0.47	1.6	05/15/19 06:40	
tert-Butylbenzene	ug/L	<0.30	1.0	05/15/19 06:40	
Tetrachloroethene	ug/L	<0.33	1.1	05/15/19 06:40	
Toluene	ug/L	<0.17	5.0	05/15/19 06:40	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	05/15/19 06:40	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/15/19 06:40	
Trichloroethene	ug/L	<0.26	1.0	05/15/19 06:40	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/15/19 06:40	
Vinyl chloride	ug/L	<0.17	1.0	05/15/19 06:40	
4-Bromofluorobenzene (S)	%	92	70-130	05/15/19 06:40	
Dibromofluoromethane (S)	%	100	70-130	05/15/19 06:40	
Toluene-d8 (S)	%	102	70-130	05/15/19 06:40	

LABORATORY CONTROL SAMPLE: 1865319

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.2	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	58.2	116	70-130	
1,1,2-Trichloroethane	ug/L	50	54.1	108	70-130	
1,1-Dichloroethane	ug/L	50	56.8	114	73-150	
1,1-Dichloroethene	ug/L	50	57.1	114	73-138	
1,2,4-Trichlorobenzene	ug/L	50	47.2	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.2	100	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	54.9	110	70-130	
1,2-Dichlorobenzene	ug/L	50	55.5	111	70-130	
1,2-Dichloroethane	ug/L	50	53.3	107	75-140	
1,2-Dichloropropane	ug/L	50	55.5	111	73-135	
1,3-Dichlorobenzene	ug/L	50	55.6	111	70-130	
1,4-Dichlorobenzene	ug/L	50	56.9	114	70-130	
Benzene	ug/L	50	56.9	114	70-130	
Bromodichloromethane	ug/L	50	53.9	108	70-130	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

LABORATORY CONTROL SAMPLE: 1865319

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	53.7	107	68-129	
Bromomethane	ug/L	50	28.3	57	18-159	
Carbon tetrachloride	ug/L	50	57.0	114	70-130	
Chlorobenzene	ug/L	50	54.5	109	70-130	
Chloroethane	ug/L	50	53.7	107	53-147	
Chloroform	ug/L	50	55.4	111	74-136	
Chloromethane	ug/L	50	32.0	64	29-115	
cis-1,2-Dichloroethene	ug/L	50	55.7	111	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.1	104	70-130	
Dibromochloromethane	ug/L	50	52.7	105	70-130	
Dichlorodifluoromethane	ug/L	50	45.3	91	10-130	
Ethylbenzene	ug/L	50	55.7	111	80-124	
Isopropylbenzene (Cumene)	ug/L	50	54.9	110	70-130	
m&p-Xylene	ug/L	100	112	112	70-130	
Methyl-tert-butyl ether	ug/L	50	52.7	105	54-137	
Methylene Chloride	ug/L	50	59.1	118	73-138	
o-Xylene	ug/L	50	54.9	110	70-130	
Styrene	ug/L	50	54.6	109	70-130	
Tetrachloroethene	ug/L	50	49.2	98	70-130	
Toluene	ug/L	50	54.4	109	80-126	
trans-1,2-Dichloroethene	ug/L	50	57.7	115	73-145	
trans-1,3-Dichloropropene	ug/L	50	48.8	98	70-130	
Trichloroethene	ug/L	50	56.1	112	70-130	
Trichlorofluoromethane	ug/L	50	62.4	125	76-147	
Vinyl chloride	ug/L	50	49.3	99	51-120	
4-Bromofluorobenzene (S)	%			94	70-130	
Dibromofluoromethane (S)	%			106	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1866451 1866452

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187476001 Result	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	55.8	56.9	112	114	70-130	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	58.7	58.5	117	117	70-130	0	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	56.5	57.0	113	114	70-137	1	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	58.7	59.2	117	118	73-153	1	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	57.0	59.3	114	119	73-138	4	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	47.2	50.3	94	101	70-130	6	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	51.8	50.5	104	101	58-129	2	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	56.1	58.0	112	116	70-130	4	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	56.3	57.7	113	115	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	57.2	57.9	114	116	75-140	1	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	57.9	58.0	116	116	71-138	0	20		

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Parameter	Units	1866451		1866452		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187476001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,3-Dichlorobenzene	ug/L	<0.63	50	50	56.1	58.2	112	116	70-130	4	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	56.8	59.1	114	118	70-130	4	20		
Benzene	ug/L	<0.25	50	50	57.9	59.2	116	118	70-130	2	20		
Bromodichloromethane	ug/L	<0.36	50	50	55.5	56.1	111	112	70-130	1	20		
Bromoform	ug/L	<4.0	50	50	53.4	55.1	107	110	68-129	3	20		
Bromomethane	ug/L	<0.97	50	50	37.3	40.8	75	82	15-170	9	20		
Carbon tetrachloride	ug/L	<0.17	50	50	56.8	58.4	114	117	70-130	3	20		
Chlorobenzene	ug/L	<0.71	50	50	55.2	56.8	110	114	70-130	3	20		
Chloroethane	ug/L	<1.3	50	50	53.7	55.3	107	111	51-148	3	20		
Chloroform	ug/L	<1.3	50	50	55.7	58.6	111	117	74-136	5	20		
Chloromethane	ug/L	<2.2	50	50	35.6	37.1	71	74	23-115	4	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	57.0	57.7	114	115	70-131	1	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	53.4	54.7	107	109	70-130	2	20		
Dibromochloromethane	ug/L	<2.6	50	50	53.3	54.9	107	110	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	42.1	42.5	84	85	10-132	1	20		
Ethylbenzene	ug/L	<0.22	50	50	57.3	58.2	115	116	80-125	2	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	55.9	57.5	112	115	70-130	3	20		
m&p-Xylene	ug/L	<0.47	100	100	115	115	115	115	70-130	0	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	54.6	54.4	109	109	51-145	0	20		
Methylene Chloride	ug/L	<0.58	50	50	61.4	61.1	123	122	73-140	0	20		
o-Xylene	ug/L	<0.26	50	50	56.8	58.5	114	117	70-130	3	20		
Styrene	ug/L	<0.47	50	50	58.4	59.9	117	120	70-130	3	20		
Tetrachloroethene	ug/L	<0.33	50	50	49.5	51.0	99	102	70-130	3	20		
Toluene	ug/L	<0.17	50	50	55.1	56.9	110	114	80-131	3	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	58.7	61.0	117	122	73-148	4	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	51.4	51.0	103	102	70-130	1	20		
Trichloroethene	ug/L	<0.26	50	50	57.2	57.6	114	115	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	63.3	64.4	127	129	74-147	2	20		
Vinyl chloride	ug/L	<0.17	50	50	50.6	52.4	101	105	41-129	3	20		
4-Bromofluorobenzene (S)	%						100	100	70-130				
Dibromofluoromethane (S)	%						109	107	70-130				
Toluene-d8 (S)	%						100	101	70-130				

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

QC Batch: 321088 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 40187476021, 40187476022, 40187476023, 40187476024

METHOD BLANK: 1865328 Matrix: Water  
Associated Lab Samples: 40187476021, 40187476022, 40187476023, 40187476024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/14/19 07:17	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/14/19 07:17	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/14/19 07:17	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/14/19 07:17	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/14/19 07:17	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/14/19 07:17	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/14/19 07:17	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	05/14/19 07:17	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/14/19 07:17	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/14/19 07:17	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/14/19 07:17	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/14/19 07:17	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/14/19 07:17	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/14/19 07:17	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/14/19 07:17	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/14/19 07:17	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/14/19 07:17	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/14/19 07:17	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/14/19 07:17	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/14/19 07:17	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/14/19 07:17	
2-Chlorotoluene	ug/L	<0.93	5.0	05/14/19 07:17	
4-Chlorotoluene	ug/L	<0.76	2.5	05/14/19 07:17	
Benzene	ug/L	<0.25	1.0	05/14/19 07:17	
Bromobenzene	ug/L	<0.24	1.0	05/14/19 07:17	
Bromochloromethane	ug/L	<0.36	5.0	05/14/19 07:17	
Bromodichloromethane	ug/L	<0.36	1.2	05/14/19 07:17	
Bromoform	ug/L	<4.0	13.2	05/14/19 07:17	
Bromomethane	ug/L	<0.97	5.0	05/14/19 07:17	
Carbon tetrachloride	ug/L	<0.17	1.0	05/14/19 07:17	
Chlorobenzene	ug/L	<0.71	2.4	05/14/19 07:17	
Chloroethane	ug/L	<1.3	5.0	05/14/19 07:17	
Chloroform	ug/L	<1.3	5.0	05/14/19 07:17	
Chloromethane	ug/L	<2.2	7.3	05/14/19 07:17	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/14/19 07:17	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/14/19 07:17	
Dibromochloromethane	ug/L	<2.6	8.7	05/14/19 07:17	
Dibromomethane	ug/L	<0.94	3.1	05/14/19 07:17	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/14/19 07:17	
Diisopropyl ether	ug/L	<1.9	6.3	05/14/19 07:17	
Ethylbenzene	ug/L	<0.22	1.0	05/14/19 07:17	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

METHOD BLANK: 1865328 Matrix: Water  
Associated Lab Samples: 40187476021, 40187476022, 40187476023, 40187476024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	05/14/19 07:17	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	05/14/19 07:17	
m&p-Xylene	ug/L	<0.47	2.0	05/14/19 07:17	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/14/19 07:17	
Methylene Chloride	ug/L	<0.58	5.0	05/14/19 07:17	
n-Butylbenzene	ug/L	<0.71	2.4	05/14/19 07:17	
n-Propylbenzene	ug/L	<0.81	5.0	05/14/19 07:17	
Naphthalene	ug/L	<1.2	5.0	05/14/19 07:17	
o-Xylene	ug/L	<0.26	1.0	05/14/19 07:17	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/14/19 07:17	
sec-Butylbenzene	ug/L	<0.85	5.0	05/14/19 07:17	
Styrene	ug/L	<0.47	1.6	05/14/19 07:17	
tert-Butylbenzene	ug/L	<0.30	1.0	05/14/19 07:17	
Tetrachloroethene	ug/L	<0.33	1.1	05/14/19 07:17	
Toluene	ug/L	<0.17	5.0	05/14/19 07:17	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	05/14/19 07:17	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/14/19 07:17	
Trichloroethene	ug/L	<0.26	1.0	05/14/19 07:17	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/14/19 07:17	
Vinyl chloride	ug/L	<0.17	1.0	05/14/19 07:17	
4-Bromofluorobenzene (S)	%	101	70-130	05/14/19 07:17	
Dibromofluoromethane (S)	%	101	70-130	05/14/19 07:17	
Toluene-d8 (S)	%	97	70-130	05/14/19 07:17	

LABORATORY CONTROL SAMPLE: 1865329

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.3	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.8	100	70-130	
1,1,2-Trichloroethane	ug/L	50	52.9	106	70-130	
1,1-Dichloroethane	ug/L	50	52.5	105	73-150	
1,1-Dichloroethene	ug/L	50	53.2	106	73-138	
1,2,4-Trichlorobenzene	ug/L	50	49.4	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.6	85	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	52.2	104	70-130	
1,2-Dichlorobenzene	ug/L	50	48.8	98	70-130	
1,2-Dichloroethane	ug/L	50	50.9	102	75-140	
1,2-Dichloropropane	ug/L	50	52.1	104	73-135	
1,3-Dichlorobenzene	ug/L	50	48.5	97	70-130	
1,4-Dichlorobenzene	ug/L	50	48.9	98	70-130	
Benzene	ug/L	50	54.0	108	70-130	
Bromodichloromethane	ug/L	50	54.8	110	70-130	
Bromoform	ug/L	50	45.9	92	68-129	
Bromomethane	ug/L	50	31.0	62	18-159	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

LABORATORY CONTROL SAMPLE: 1865329

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	50.4	101	70-130	
Chlorobenzene	ug/L	50	50.6	101	70-130	
Chloroethane	ug/L	50	44.3	89	53-147	
Chloroform	ug/L	50	52.2	104	74-136	
Chloromethane	ug/L	50	31.7	63	29-115	
cis-1,2-Dichloroethene	ug/L	50	51.6	103	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.9	94	70-130	
Dibromochloromethane	ug/L	50	46.5	93	70-130	
Dichlorodifluoromethane	ug/L	50	25.7	51	10-130	
Ethylbenzene	ug/L	50	54.9	110	80-124	
Isopropylbenzene (Cumene)	ug/L	50	55.8	112	70-130	
m&p-Xylene	ug/L	100	112	112	70-130	
Methyl-tert-butyl ether	ug/L	50	51.3	103	54-137	
Methylene Chloride	ug/L	50	52.3	105	73-138	
o-Xylene	ug/L	50	55.1	110	70-130	
Styrene	ug/L	50	53.2	106	70-130	
Tetrachloroethene	ug/L	50	54.2	108	70-130	
Toluene	ug/L	50	54.7	109	80-126	
trans-1,2-Dichloroethene	ug/L	50	52.3	105	73-145	
trans-1,3-Dichloropropene	ug/L	50	46.3	93	70-130	
Trichloroethene	ug/L	50	54.3	109	70-130	
Trichlorofluoromethane	ug/L	50	51.4	103	76-147	
Vinyl chloride	ug/L	50	41.3	83	51-120	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1865758 1865759

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187391001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	50.7	50.6	101	101	70-130	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	50.1	51.3	100	103	70-130	2	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	53.8	53.9	108	108	70-137	0	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	52.7	52.0	105	104	73-153	1	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	53.3	52.9	107	106	73-138	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50.1	49.7	100	99	70-130	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	44.3	45.1	89	90	58-129	2	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	53.0	53.3	106	107	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	48.8	48.3	98	97	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	50.7	50.9	101	102	75-140	0	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	51.5	51.4	103	103	71-138	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	49.0	48.2	98	96	70-130	2	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.8	48.3	98	97	70-130	1	20		

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1865758 1865759												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40187391001 Result	Spike Conc.	Spike Conc.	MS Result							
Benzene	ug/L	<0.25	50	50	54.2	53.2	108	106	70-130	2	20	
Bromodichloromethane	ug/L	<0.36	50	50	54.4	53.9	109	108	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	46.6	46.4	93	93	68-129	0	20	
Bromomethane	ug/L	<0.97	50	50	37.0	38.9	74	78	15-170	5	20	
Carbon tetrachloride	ug/L	<0.17	50	50	50.7	50.4	101	101	70-130	0	20	
Chlorobenzene	ug/L	<0.71	50	50	50.4	50.0	101	100	70-130	1	20	
Chloroethane	ug/L	<1.3	50	50	42.8	43.6	86	87	51-148	2	20	
Chloroform	ug/L	<1.3	50	50	52.4	51.9	105	104	74-136	1	20	
Chloromethane	ug/L	<2.2	50	50	31.6	31.2	63	62	23-115	1	20	
cis-1,2-Dichloroethene	ug/L	4.9	50	50	55.2	54.2	101	99	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	47.2	47.2	94	94	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	47.3	46.7	95	93	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	24.8	24.6	50	49	10-132	1	20	
Ethylbenzene	ug/L	<0.22	50	50	54.8	54.0	110	108	80-125	2	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	55.8	54.7	112	109	70-130	2	20	
m&p-Xylene	ug/L	<0.47	100	100	111	110	111	110	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	52.1	52.3	104	105	51-145	0	20	
Methylene Chloride	ug/L	<0.58	50	50	52.3	52.1	105	104	73-140	0	20	
o-Xylene	ug/L	<0.26	50	50	54.7	53.5	109	107	70-130	2	20	
Styrene	ug/L	<0.47	50	50	53.5	52.5	107	105	70-130	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	54.6	53.7	109	107	70-130	2	20	
Toluene	ug/L	<0.17	50	50	54.8	53.9	110	108	80-131	2	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	52.7	52.8	105	105	73-148	0	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	47.2	47.2	94	94	70-130	0	20	
Trichloroethene	ug/L	15.4	50	50	75.0	75.2	119	120	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	50.8	50.5	102	101	74-147	1	20	
Vinyl chloride	ug/L	<0.17	50	50	41.7	41.0	83	82	41-129	2	20	
4-Bromofluorobenzene (S)	%						106	107	70-130			
Dibromofluoromethane (S)	%						101	101	70-130			
Toluene-d8 (S)	%						97	97	70-130			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

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QC Batch: 321411 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
 Associated Lab Samples: 40187476013, 40187476014, 40187476015, 40187476016, 40187476017, 40187476018, 40187476019, 40187476020

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METHOD BLANK: 1866651 Matrix: Water  
 Associated Lab Samples: 40187476013, 40187476014, 40187476015, 40187476016, 40187476017, 40187476018, 40187476019, 40187476020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/16/19 10:23	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/16/19 10:23	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/16/19 10:23	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/16/19 10:23	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/16/19 10:23	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/16/19 10:23	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/16/19 10:23	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	05/16/19 10:23	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/16/19 10:23	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/16/19 10:23	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/16/19 10:23	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/16/19 10:23	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/16/19 10:23	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/16/19 10:23	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/16/19 10:23	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/16/19 10:23	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/16/19 10:23	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/16/19 10:23	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/16/19 10:23	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/16/19 10:23	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/16/19 10:23	
2-Chlorotoluene	ug/L	<0.93	5.0	05/16/19 10:23	
4-Chlorotoluene	ug/L	<0.76	2.5	05/16/19 10:23	
Benzene	ug/L	<0.25	1.0	05/16/19 10:23	
Bromobenzene	ug/L	<0.24	1.0	05/16/19 10:23	
Bromochloromethane	ug/L	<0.36	5.0	05/16/19 10:23	
Bromodichloromethane	ug/L	<0.36	1.2	05/16/19 10:23	
Bromoform	ug/L	<4.0	13.2	05/16/19 10:23	
Bromomethane	ug/L	<0.97	5.0	05/16/19 10:23	
Carbon tetrachloride	ug/L	<0.17	1.0	05/16/19 10:23	
Chlorobenzene	ug/L	<0.71	2.4	05/16/19 10:23	
Chloroethane	ug/L	<1.3	5.0	05/16/19 10:23	
Chloroform	ug/L	<1.3	5.0	05/16/19 10:23	
Chloromethane	ug/L	<2.2	7.3	05/16/19 10:23	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/16/19 10:23	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/16/19 10:23	
Dibromochloromethane	ug/L	<2.6	8.7	05/16/19 10:23	
Dibromomethane	ug/L	<0.94	3.1	05/16/19 10:23	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/16/19 10:23	
Diisopropyl ether	ug/L	<1.9	6.3	05/16/19 10:23	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

METHOD BLANK: 1866651

Matrix: Water

Associated Lab Samples: 40187476013, 40187476014, 40187476015, 40187476016, 40187476017, 40187476018, 40187476019, 40187476020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	05/16/19 10:23	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	05/16/19 10:23	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	05/16/19 10:23	
m&p-Xylene	ug/L	<0.47	2.0	05/16/19 10:23	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/16/19 10:23	
Methylene Chloride	ug/L	<0.58	5.0	05/16/19 10:23	
n-Butylbenzene	ug/L	<0.71	2.4	05/16/19 10:23	
n-Propylbenzene	ug/L	<0.81	5.0	05/16/19 10:23	
Naphthalene	ug/L	<1.2	5.0	05/16/19 10:23	
o-Xylene	ug/L	<0.26	1.0	05/16/19 10:23	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/16/19 10:23	
sec-Butylbenzene	ug/L	<0.85	5.0	05/16/19 10:23	
Styrene	ug/L	<0.47	1.6	05/16/19 10:23	
tert-Butylbenzene	ug/L	<0.30	1.0	05/16/19 10:23	
Tetrachloroethene	ug/L	<0.33	1.1	05/16/19 10:23	
Toluene	ug/L	<0.17	5.0	05/16/19 10:23	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	05/16/19 10:23	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/16/19 10:23	
Trichloroethene	ug/L	<0.26	1.0	05/16/19 10:23	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/16/19 10:23	
Vinyl chloride	ug/L	<0.17	1.0	05/16/19 10:23	
4-Bromofluorobenzene (S)	%	93	70-130	05/16/19 10:23	
Dibromofluoromethane (S)	%	103	70-130	05/16/19 10:23	
Toluene-d8 (S)	%	93	70-130	05/16/19 10:23	

LABORATORY CONTROL SAMPLE: 1866652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.8	100	70-130	
1,1,1-Trichloroethane	ug/L	50	49.0	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	37.6	75	70-130	
1,1,2-Trichloroethane	ug/L	50	39.7	79	70-130	
1,1-Dichloroethane	ug/L	50	41.8	84	73-150	
1,1-Dichloroethene	ug/L	50	61.6	123	73-138	
1,1-Dichloropropene	ug/L	50	46.4	93	70-130	
1,2,3-Trichlorobenzene	ug/L	50	41.6	83	70-130	
1,2,3-Trichloropropane	ug/L	50	36.2	72	70-130	
1,2,4-Trichlorobenzene	ug/L	50	44.2	88	70-130	
1,2,4-Trimethylbenzene	ug/L	50	46.9	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	34.6	69	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	40.5	81	70-130	
1,2-Dichlorobenzene	ug/L	50	46.3	93	70-130	
1,2-Dichloroethane	ug/L	50	37.7	75	75-140	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

LABORATORY CONTROL SAMPLE: 1866652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	44.6	89	73-135	
1,3,5-Trimethylbenzene	ug/L	50	47.9	96	70-130	
1,3-Dichlorobenzene	ug/L	50	48.4	97	70-130	
1,3-Dichloropropane	ug/L	50	39.8	80	70-130	
1,4-Dichlorobenzene	ug/L	50	45.5	91	70-130	
2,2-Dichloropropane	ug/L	50	53.5	107	70-130	
2-Chlorotoluene	ug/L	50	45.9	92	70-130	
4-Chlorotoluene	ug/L	50	47.5	95	70-130	
Benzene	ug/L	50	40.2	80	70-130	
Bromobenzene	ug/L	50	45.7	91	70-130	
Bromochloromethane	ug/L	50	44.7	89	70-130	
Bromodichloromethane	ug/L	50	44.2	88	70-130	
Bromoform	ug/L	50	44.2	88	68-129	
Bromomethane	ug/L	50	62.8	126	18-159	
Carbon tetrachloride	ug/L	50	48.3	97	70-130	
Chlorobenzene	ug/L	50	47.6	95	70-130	
Chloroethane	ug/L	50	47.2	94	53-147	
Chloroform	ug/L	50	45.3	91	74-136	
Chloromethane	ug/L	50	44.0	88	29-115	
cis-1,2-Dichloroethene	ug/L	50	46.0	92	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.9	92	70-130	
Dibromochloromethane	ug/L	50	41.0	82	70-130	
Dibromomethane	ug/L	50	42.9	86	70-130	
Dichlorodifluoromethane	ug/L	50	31.0	62	10-130	
Diisopropyl ether	ug/L	50	37.7	75	70-130	
Ethylbenzene	ug/L	50	50.7	101	80-124	
Hexachloro-1,3-butadiene	ug/L	50	46.6	93	70-130	
Isopropylbenzene (Cumene)	ug/L	50	54.7	109	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	57.4	115	54-137	
Methylene Chloride	ug/L	50	56.6	113	73-138	
n-Butylbenzene	ug/L	50	49.1	98	70-130	
n-Propylbenzene	ug/L	50	48.4	97	70-130	
Naphthalene	ug/L	50	35.6	71	70-130	
o-Xylene	ug/L	50	53.9	108	70-130	
p-Isopropyltoluene	ug/L	50	50.1	100	70-130	
sec-Butylbenzene	ug/L	50	50.1	100	70-130	
Styrene	ug/L	50	52.4	105	70-130	
tert-Butylbenzene	ug/L	50	48.4	97	70-130	
Tetrachloroethene	ug/L	50	46.0	92	70-130	
Toluene	ug/L	50	45.1	90	80-126	
trans-1,2-Dichloroethene	ug/L	50	59.7	119	73-145	
trans-1,3-Dichloropropene	ug/L	50	39.0	78	70-130	
Trichloroethene	ug/L	50	46.9	94	70-130	
Trichlorofluoromethane	ug/L	50	55.4	111	76-147	
Vinyl chloride	ug/L	50	46.9	94	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

LABORATORY CONTROL SAMPLE: 1866652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1867197 1867198

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187578009	Spike Conc.	MSD Spike Conc.	MSD Result								
1,1,1,2-Tetrachloroethane	ug/L	<0.27	50	50	45.0	48.1	90	96	70-130	7	20		
1,1,1-Trichloroethane	ug/L	14.1	50	50	54.1	56.2	80	84	70-130	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	38.7	39.8	77	80	70-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	39.4	41.0	79	82	70-137	4	20		
1,1-Dichloroethane	ug/L	0.68J	50	50	38.5	41.1	76	81	73-153	7	20		
1,1-Dichloroethene	ug/L	1.2	50	50	49.5	63.4	97	124	73-138	25	20	R1	
1,1-Dichloropropene	ug/L	<0.54	50	50	41.6	45.9	83	92	70-130	10	20		
1,2,3-Trichlorobenzene	ug/L	<0.63	50	50	38.5	41.3	77	83	70-130	7	20		
1,2,3-Trichloropropane	ug/L	<0.59	50	50	44.7	44.5	89	89	70-130	0	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	40.1	43.5	80	87	70-130	8	20		
1,2,4-Trimethylbenzene	ug/L	<0.84	50	50	42.1	46.5	84	93	70-130	10	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	35.9	37.4	72	75	58-129	4	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	41.2	41.7	82	83	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	41.6	44.8	83	90	70-130	7	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	36.9	38.4	74	77	75-140	4	20	M1	
1,2-Dichloropropane	ug/L	<0.28	50	50	39.5	41.9	79	84	71-138	6	20		
1,3,5-Trimethylbenzene	ug/L	<0.87	50	50	42.2	46.2	84	92	70-130	9	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	43.7	47.1	87	94	70-130	7	20		
1,3-Dichloropropane	ug/L	<0.83	50	50	39.3	41.5	79	83	70-130	5	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	41.0	44.7	82	89	70-130	9	20		
2,2-Dichloropropane	ug/L	<2.3	50	50	48.4	52.6	97	105	70-130	8	20		
2-Chlorotoluene	ug/L	<0.93	50	50	40.5	44.4	81	89	70-130	9	20		
4-Chlorotoluene	ug/L	<0.76	50	50	42.1	46.0	84	92	70-130	9	20		
Benzene	ug/L	<0.25	50	50	39.2	42.2	78	84	70-130	7	20		
Bromobenzene	ug/L	<0.24	50	50	42.5	45.7	85	91	70-130	7	20		
Bromochloromethane	ug/L	<0.36	50	50	41.6	43.0	83	86	70-130	3	20		
Bromodichloromethane	ug/L	<0.36	50	50	40.9	42.3	82	85	70-130	3	20		
Bromoform	ug/L	<4.0	50	50	38.9	40.6	78	81	68-129	4	20		
Bromomethane	ug/L	<0.97	50	50	54.8	69.3	110	139	15-170	23	20	R1	
Carbon tetrachloride	ug/L	<0.17	50	50	42.9	47.0	86	94	70-130	9	20		
Chlorobenzene	ug/L	<0.71	50	50	43.2	46.9	86	94	70-130	8	20		
Chloroethane	ug/L	<1.3	50	50	41.2	51.0	82	102	51-148	21	20	R1	
Chloroform	ug/L	<1.3	50	50	41.3	43.8	82	87	74-136	6	20		
Chloromethane	ug/L	<2.2	50	50	39.1	48.5	78	97	23-115	22	20	R1	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	42.3	44.4	85	89	70-131	5	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	41.8	43.7	84	87	70-130	4	20		
Dibromochloromethane	ug/L	<2.6	50	50	41.3	43.3	83	87	70-130	5	20		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

Parameter	Units	1867197		1867198		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187578009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Dibromomethane	ug/L	<0.94	50	50	40.6	41.2	81	82	70-130	2	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	26.8	34.2	54	68	10-132	24	20	R1	
Diisopropyl ether	ug/L	<1.9	50	50	34.6	36.5	69	73	70-130	5	20	M1	
Ethylbenzene	ug/L	<0.22	50	50	44.5	48.8	89	98	80-125	9	20		
Hexachloro-1,3-butadiene	ug/L	<1.2	50	50	50.9	55.1	102	110	70-130	8	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	45.4	50.0	91	100	70-130	10	20		
m&p-Xylene	ug/L	<0.47	100	100	90.2	99.1	90	99	70-130	9	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	55.4	57.1	111	114	51-145	3	20		
Methylene Chloride	ug/L	<0.58	50	50	46.2	54.1	92	108	73-140	16	20		
n-Butylbenzene	ug/L	<0.71	50	50	44.5	49.5	89	99	70-130	11	20		
n-Propylbenzene	ug/L	<0.81	50	50	42.0	47.1	84	94	70-130	11	20		
Naphthalene	ug/L	<1.2	50	50	36.2	37.3	72	75	70-130	3	20		
o-Xylene	ug/L	<0.26	50	50	45.6	49.2	91	98	70-130	8	20		
p-Isopropyltoluene	ug/L	<0.80	50	50	45.3	50.1	91	100	70-130	10	20		
sec-Butylbenzene	ug/L	<0.85	50	50	44.8	48.9	90	98	70-130	9	20		
Styrene	ug/L	<0.47	50	50	44.2	47.5	88	95	70-130	7	20		
tert-Butylbenzene	ug/L	<0.30	50	50	43.1	48.1	86	96	70-130	11	20		
Tetrachloroethene	ug/L	0.45J	50	50	44.9	48.4	89	96	70-130	7	20		
Toluene	ug/L	<0.17	50	50	42.7	46.5	85	93	80-131	8	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	52.2	59.1	104	118	73-148	12	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	37.5	39.4	75	79	70-130	5	20		
Trichloroethene	ug/L	<0.26	50	50	41.7	45.4	83	91	70-130	9	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	48.4	62.2	97	124	74-147	25	20	R1	
Vinyl chloride	ug/L	<0.17	50	50	41.4	51.0	83	102	41-129	21	20	R1	
4-Bromofluorobenzene (S)	%						94	96	70-130				
Dibromofluoromethane (S)	%						96	98	70-130				
Toluene-d8 (S)	%						99	99	70-130				

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

QC Batch:	321062	Analysis Method:	EPA 8270 by HVI
QC Batch Method:	EPA 3510	Analysis Description:	8270 Water PAH by HVI
Associated Lab Samples:	40187476001, 40187476002		

METHOD BLANK: 1865238 Matrix: Water

Associated Lab Samples: 40187476001, 40187476002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	05/13/19 15:45	
2-Methylnaphthalene	ug/L	<0.0049	0.024	05/13/19 15:45	
Acenaphthene	ug/L	<0.0061	0.030	05/13/19 15:45	
Acenaphthylene	ug/L	<0.0050	0.025	05/13/19 15:45	
Anthracene	ug/L	<0.010	0.052	05/13/19 15:45	
Benzo(a)anthracene	ug/L	<0.0076	0.038	05/13/19 15:45	
Benzo(a)pyrene	ug/L	<0.011	0.053	05/13/19 15:45	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	05/13/19 15:45	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	05/13/19 15:45	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	05/13/19 15:45	
Chrysene	ug/L	<0.013	0.065	05/13/19 15:45	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	05/13/19 15:45	
Fluoranthene	ug/L	<0.011	0.053	05/13/19 15:45	
Fluorene	ug/L	<0.0080	0.040	05/13/19 15:45	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	05/13/19 15:45	
Naphthalene	ug/L	<0.018	0.092	05/13/19 15:45	
Phenanthrene	ug/L	<0.014	0.069	05/13/19 15:45	
Pyrene	ug/L	<0.0076	0.038	05/13/19 15:45	
2-Fluorobiphenyl (S)	%	62	30-85	05/13/19 15:45	
Terphenyl-d14 (S)	%	116	10-120	05/13/19 15:45	

LABORATORY CONTROL SAMPLE & LCSD: 1865239 1865240

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.4	1.3	68	66	39-88	3	29	
2-Methylnaphthalene	ug/L	2	1.1	1.3	57	63	40-93	10	29	
Acenaphthene	ug/L	2	1.5	1.4	73	70	43-102	4	30	
Acenaphthylene	ug/L	2	1.1	1.2	57	58	42-103	3	31	
Anthracene	ug/L	2	1.4	1.6	70	81	52-105	14	36	
Benzo(a)anthracene	ug/L	2	0.91	0.99	45	49	39-120	9	39	
Benzo(a)pyrene	ug/L	2	1.7	1.7	86	84	57-117	3	39	
Benzo(b)fluoranthene	ug/L	2	1.8	1.7	90	84	54-117	8	41	
Benzo(g,h,i)perylene	ug/L	2	1.5	1.1	74	55	32-82	30	44	
Benzo(k)fluoranthene	ug/L	2	2.0	1.9	102	94	56-123	8	39	
Chrysene	ug/L	2	2.7	2.5	134	123	63-122	9	38 L1	
Dibenz(a,h)anthracene	ug/L	2	1.5	1.0	76	52	23-76	36	46	
Fluoranthene	ug/L	2	1.6	1.6	82	79	52-112	4	35	
Fluorene	ug/L	2	1.6	1.5	78	76	46-116	3	33	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.9	1.7	95	85	49-110	11	32	
Naphthalene	ug/L	2	1.2	1.3	59	63	37-84	6	29	

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Parameter	Units	1865239		1865240		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCSD Result						
Phenanthrene	ug/L	2	1.5	1.4	74	69	50-104	7	36		
Pyrene	ug/L	2	2.0	2.0	102	98	57-123	3	36		
2-Fluorobiphenyl (S)	%				66	64	30-85				
Terphenyl-d14 (S)	%				108	105	10-120				

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

QC Batch: 321214 Analysis Method: EPA 8270 by HVI  
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI  
Associated Lab Samples: 40187476003, 40187476004, 40187476005, 40187476006, 40187476007, 40187476008, 40187476021

METHOD BLANK: 1865814 Matrix: Water  
Associated Lab Samples: 40187476003, 40187476004, 40187476005, 40187476006, 40187476007, 40187476008, 40187476021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	05/15/19 18:58	
2-Methylnaphthalene	ug/L	<0.0049	0.024	05/15/19 18:58	
Acenaphthene	ug/L	<0.0061	0.030	05/15/19 18:58	
Acenaphthylene	ug/L	<0.0050	0.025	05/15/19 18:58	
Anthracene	ug/L	<0.010	0.052	05/15/19 18:58	
Benzo(a)anthracene	ug/L	<0.0076	0.038	05/15/19 18:58	
Benzo(a)pyrene	ug/L	<0.011	0.053	05/15/19 18:58	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	05/15/19 18:58	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	05/15/19 18:58	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	05/15/19 18:58	
Chrysene	ug/L	<0.013	0.065	05/15/19 18:58	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	05/15/19 18:58	
Fluoranthene	ug/L	<0.011	0.053	05/15/19 18:58	
Fluorene	ug/L	<0.0080	0.040	05/15/19 18:58	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	05/15/19 18:58	
Naphthalene	ug/L	<0.018	0.092	05/15/19 18:58	
Phenanthrene	ug/L	<0.014	0.069	05/15/19 18:58	
Pyrene	ug/L	<0.0076	0.038	05/15/19 18:58	
2-Fluorobiphenyl (S)	%	72	30-85	05/15/19 18:58	
Terphenyl-d14 (S)	%	110	10-120	05/15/19 18:58	

Parameter	Units	1865815		1865816		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCS % Rec				
1-Methylnaphthalene	ug/L	2	1.5	1.6	73	79	39-88	8	29
2-Methylnaphthalene	ug/L	2	1.5	1.6	75	81	40-93	8	29
Acenaphthene	ug/L	2	1.5	1.7	74	84	43-102	12	30
Acenaphthylene	ug/L	2	1.4	1.6	72	80	42-103	11	31
Anthracene	ug/L	2	1.3	1.6	67	82	52-105	21	36
Benzo(a)anthracene	ug/L	2	1.8	2.1	92	103	39-120	12	39
Benzo(a)pyrene	ug/L	2	1.6	1.9	81	94	57-117	15	39
Benzo(b)fluoranthene	ug/L	2	1.8	2.0	88	99	54-117	12	41
Benzo(g,h,i)perylene	ug/L	2	0.97	1.1	48	56	32-82	14	44
Benzo(k)fluoranthene	ug/L	2	1.7	2.1	84	106	56-123	23	39
Chrysene	ug/L	2	2.0	2.2	99	108	63-122	9	38
Dibenz(a,h)anthracene	ug/L	2	0.85	0.97	43	48	23-76	13	46
Fluoranthene	ug/L	2	1.8	2.0	91	102	52-112	11	35
Fluorene	ug/L	2	1.6	1.9	79	96	46-116	20	33
Indeno(1,2,3-cd)pyrene	ug/L	2	1.4	1.7	72	87	49-110	19	32
Naphthalene	ug/L	2	1.4	1.5	70	73	37-84	4	29

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

LABORATORY CONTROL SAMPLE & LCSD:		1865815		1865816							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Phenanthrene	ug/L	2	1.7	1.9	85	93	50-104	10	36		
Pyrene	ug/L	2	1.9	2.1	93	107	57-123	14	36		
2-Fluorobiphenyl (S)	%				66	73	30-85				
Terphenyl-d14 (S)	%				90	105	10-120				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

QC Batch: 321370 Analysis Method: EPA 8270 by HVI  
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI  
Associated Lab Samples: 40187476009, 40187476010, 40187476011, 40187476012, 40187476013, 40187476022

METHOD BLANK: 1866484 Matrix: Water  
Associated Lab Samples: 40187476009, 40187476010, 40187476011, 40187476012, 40187476013, 40187476022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	05/17/19 13:47	
2-Methylnaphthalene	ug/L	<0.0049	0.024	05/17/19 13:47	
Acenaphthene	ug/L	<0.0061	0.030	05/17/19 13:47	
Acenaphthylene	ug/L	<0.0050	0.025	05/17/19 13:47	
Anthracene	ug/L	<0.010	0.052	05/17/19 13:47	
Benzo(a)anthracene	ug/L	<0.0076	0.038	05/17/19 13:47	
Benzo(a)pyrene	ug/L	<0.011	0.053	05/17/19 13:47	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	05/17/19 13:47	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	05/17/19 13:47	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	05/17/19 13:47	
Chrysene	ug/L	<0.013	0.065	05/17/19 13:47	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	05/17/19 13:47	
Fluoranthene	ug/L	<0.011	0.053	05/17/19 13:47	
Fluorene	ug/L	<0.0080	0.040	05/17/19 13:47	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	05/17/19 13:47	
Naphthalene	ug/L	<0.018	0.092	05/17/19 13:47	
Phenanthrene	ug/L	<0.014	0.069	05/17/19 13:47	
Pyrene	ug/L	<0.0076	0.038	05/17/19 13:47	
2-Fluorobiphenyl (S)	%	67	30-85	05/17/19 13:47	
Terphenyl-d14 (S)	%	112	10-120	05/17/19 13:47	

LABORATORY CONTROL SAMPLE & LCSD: 1866485 1866486

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.4	1.3	68	65	39-88	5	29	
2-Methylnaphthalene	ug/L	2	1.3	1.3	67	63	40-93	6	29	
Acenaphthene	ug/L	2	1.4	1.3	69	66	43-102	4	30	
Acenaphthylene	ug/L	2	1.2	1.2	61	58	42-103	5	31	
Anthracene	ug/L	2	1.5	1.3	73	63	52-105	14	36	
Benzo(a)anthracene	ug/L	2	1.6	1.7	79	84	39-120	6	39	
Benzo(a)pyrene	ug/L	2	1.5	1.6	76	80	57-117	4	39	
Benzo(b)fluoranthene	ug/L	2	1.7	1.7	85	86	54-117	2	41	
Benzo(g,h,i)perylene	ug/L	2	0.99	1.1	49	54	32-82	9	44	
Benzo(k)fluoranthene	ug/L	2	2.0	2.1	100	106	56-123	6	39	
Chrysene	ug/L	2	2.1	2.1	104	107	63-122	3	38	
Dibenz(a,h)anthracene	ug/L	2	0.86	0.95	43	48	23-76	10	46	
Fluoranthene	ug/L	2	1.7	1.8	87	89	52-112	2	35	
Fluorene	ug/L	2	1.6	1.6	79	78	46-116	2	33	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.5	1.6	74	78	49-110	5	32	
Naphthalene	ug/L	2	1.2	1.2	61	58	37-84	4	29	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

LABORATORY CONTROL SAMPLE & LCSD:		1866485		1866486							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Phenanthrene	ug/L	2	1.6	1.7	82	83	50-104	0	36		
Pyrene	ug/L	2	1.8	1.9	89	93	57-123	5	36		
2-Fluorobiphenyl (S)	%				63	59	30-85				
Terphenyl-d14 (S)	%				97	100	10-120				

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### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### BATCH QUALIFIERS

Batch: 321183

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 321313

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 321439

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 0441161 OSCAR MAYER  
Pace Project No.: 40187476

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40187476001	FS-MW-12-WG-20190506	EPA 6010	321591		
40187476002	FS-MW-01-WG-20190506	EPA 6010	321591		
40187476003	FS-MW-09-WG-20190507	EPA 6010	321591		
40187476004	FS-MW-02-WG-20190507	EPA 6010	321591		
40187476005	FS-MW-07-WG-20190507	EPA 6010	321591		
40187476006	FS-MW-03-WG-20190507	EPA 6010	321591		
40187476007	FS-MW-06-WG-20190507	EPA 6010	321591		
40187476008	FS-MW-13-WG-20190507	EPA 6010	321591		
40187476009	FS-MW-11-WG-20190508	EPA 6010	321591		
40187476010	FS-MW-05-WG-20190508	EPA 6010	321591		
40187476011	FS-MW-04-WG-20190508	EPA 6010	321591		
40187476012	FS-MW-08-WG-20190508	EPA 6010	321591		
40187476013	FS-MW-10-WG-20190509	EPA 6010	321591		
40187476021	DUP-01-WG-20190507	EPA 6010	321591		
40187476022	DUP-02-WG-20190508	EPA 6010	321591		
40187476001	FS-MW-12-WG-20190506	EPA 3510	321062	EPA 8270 by HVI	321183
40187476002	FS-MW-01-WG-20190506	EPA 3510	321062	EPA 8270 by HVI	321183
40187476003	FS-MW-09-WG-20190507	EPA 3510	321214	EPA 8270 by HVI	321313
40187476004	FS-MW-02-WG-20190507	EPA 3510	321214	EPA 8270 by HVI	321313
40187476005	FS-MW-07-WG-20190507	EPA 3510	321214	EPA 8270 by HVI	321313
40187476006	FS-MW-03-WG-20190507	EPA 3510	321214	EPA 8270 by HVI	321313
40187476007	FS-MW-06-WG-20190507	EPA 3510	321214	EPA 8270 by HVI	321313
40187476008	FS-MW-13-WG-20190507	EPA 3510	321214	EPA 8270 by HVI	321313
40187476009	FS-MW-11-WG-20190508	EPA 3510	321370	EPA 8270 by HVI	321439
40187476010	FS-MW-05-WG-20190508	EPA 3510	321370	EPA 8270 by HVI	321439
40187476011	FS-MW-04-WG-20190508	EPA 3510	321370	EPA 8270 by HVI	321439
40187476012	FS-MW-08-WG-20190508	EPA 3510	321370	EPA 8270 by HVI	321439
40187476013	FS-MW-10-WG-20190509	EPA 3510	321370	EPA 8270 by HVI	321439
40187476021	DUP-01-WG-20190507	EPA 3510	321214	EPA 8270 by HVI	321313
40187476022	DUP-02-WG-20190508	EPA 3510	321370	EPA 8270 by HVI	321439
40187476001	FS-MW-12-WG-20190506	EPA 8260	321085		
40187476002	FS-MW-01-WG-20190506	EPA 8260	321085		
40187476003	FS-MW-09-WG-20190507	EPA 8260	321085		
40187476004	FS-MW-02-WG-20190507	EPA 8260	321085		
40187476005	FS-MW-07-WG-20190507	EPA 8260	321085		
40187476006	FS-MW-03-WG-20190507	EPA 8260	321085		
40187476007	FS-MW-06-WG-20190507	EPA 8260	321085		
40187476008	FS-MW-13-WG-20190507	EPA 8260	321085		
40187476009	FS-MW-11-WG-20190508	EPA 8260	321085		
40187476010	FS-MW-05-WG-20190508	EPA 8260	321085		
40187476011	FS-MW-04-WG-20190508	EPA 8260	321085		
40187476012	FS-MW-08-WG-20190508	EPA 8260	321085		
40187476013	FS-MW-10-WG-20190509	EPA 8260	321411		
40187476014	SR-MW-14-WG-20190509	EPA 8260	321411		
40187476015	SR-MW-15-WG-20190509	EPA 8260	321411		

**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 OSCAR MAYER

Pace Project No.: 40187476

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40187476016	SR-MW-16A-WG-20190509	EPA 8260	321411		
40187476017	SR-MW-16B-WG-20190509	EPA 8260	321411		
40187476018	TS-MW-17A-WG-20190509	EPA 8260	321411		
40187476019	TS-MW-17C-WG-20190510	EPA 8260	321411		
40187476020	TS-MW-17B-WG-20190510	EPA 8260	321411		
40187476021	DUP-01-WG-20190507	EPA 8260	321088		
40187476022	DUP-02-WG-20190508	EPA 8260	321088		
40187476023	FB-01-WQ-20190510	EPA 8260	321088		
40187476024	TB-01-WQ-20190510	EPA 8260	321088		

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(Please Print Clearly)



UPPER MIDWEST REGION  
MN: 612-607-1700 WI: 920-469-2436

40187476

**CHAIN OF CUSTODY**  
 A= None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J= Other

Y/N	Pick Letter	Y	N	D
N	B			
N	A			
Y	D			

**Quote #:**

**Mail To Contact:**

**Mail To Company:**

**Mail To Address:**

**Invoice To Contact:** SRM Rolling Meadows

**Invoice To Company:**

**Invoice To Address:**

**Client Comments:**

**Lab Comments (Lab Use Only):**

**Profile #:**

**Company Name:** ERM

**Branch/Location:** Milwaukee

**Project Contact:** David De Cangelis

**Phone:**

**Project Number:** 0441161

**Project Name:**

**Project State:** Wisconsin

**Sampled By (Print):** Philip Lester

**Sampled By (Sign):** *Philip Lester*

**PO #:**

**Regulatory Program:**

**Data Package Options** (billable)

EPA Level III

EPA Level IV

On your sample (billable)

NOT needed on your sample

**Matrix Codes**

A = Air  
 B = Biot  
 C = Charcoal  
 O = Oil  
 S = Soil  
 SI = Sludge  
 W = Water  
 DW = Drinking Water  
 GW = Ground Water  
 SW = Surface Water  
 WW = Waste Water  
 WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested				Received By:	Date/Time:
					VOCs	PAH	Lead			
001	FS-MW-12-WG-20190506	5/6/19	14:25	GW	X	X	X			
002	FS-MW-01-WG-20190506	5/6/19	16:00	GW	X	X	X			
003	FS-MW-09-WG-20190506	5/7/19	9:20	GW	X	X	X			
004	FS-MW-02-WG-20190507	5/7/19	11:05	GW	X	X	X			
005	FS-MW-07-WG-20190507	5/7/19	13:05	GW	X	X	X			
006	FS-MW-03-WG-20190507	5/7/19	14:20	GW	X	X	X			
007	FS-MW-06-WG-20190507	5/7/19	15:30	GW	X	X	X			
008	FS-MW-13-WG-20190507	5/7/19	17:00	GW	X	X	X			
009	FS-MW-11-WG-20190508	5/8/19	8:55	GW	X	X	X			
010	FS-MW-05-WG-20190508	5/8/19	14:20	GW	X	X	X			
011	FS-MW-04-WG-20190508	5/8/19	16:25	GW	X	X	X			
012	FS-MW-08-WG-20190508	5/8/19	17:55	GW	X	X	X			
013	FS-MW-10-WG-20190509	5/14/19	9:10	GW	X	X	X			

**Rush Turnaround Time Requested - Prelims**  
 (Rush TAT subject to approval/surcharge)  
 Date Needed:

**Transmit Prelim Rush Results by (complete what you want):**

**Relinquished By:** *David De Cangelis* Date/Time: 5/14/19 15:15

**Relinquished By:** *IS Logistics* Date/Time: 5/14/19 15:15

**Relinquished By:** *ESSE Verigas Pace* Date/Time: 5/14/19 15:15

**Relinquished By:** *ESSE Verigas Pace* Date/Time: 5/14/19 15:15

**Received By:** *ESSE Verigas Pace* Date/Time: 5/14/19 15:15

**PACE Project No.:** 40187476

**Receipt Temp =** ROI °C

**Sample Receipt pH:** OK/ Adjusted

**Cooler Capped/ Seal Present (Not Present Intact / Not Intact):**



### Sample Preservation Receipt Form

Client Name: EMM

Project # 20187474

All containers needing preservation have been checked and noted below: Yes  No  N/A

Lab Lot# of pH paper: 10553581

Lab Std #ID of preservation (if pH adjusted):

Initial when completed: [Signature]

Date/Time:

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302  
Page 7 of 81

Pace Lab #	Glass			Plastic			Vials			Jars		General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)							
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S								DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU
001																											2.5 / 5 / 10
002																											2.5 / 5 / 10
003																											2.5 / 5 / 10
004																											2.5 / 5 / 10
005																											2.5 / 5 / 10
006																											2.5 / 5 / 10
007																											2.5 / 5 / 10
008																											2.5 / 5 / 10
009																											2.5 / 5 / 10
010																											2.5 / 5 / 10
011																											2.5 / 5 / 10
012																											2.5 / 5 / 10
013																											2.5 / 5 / 10
014																											2.5 / 5 / 10
015																											2.5 / 5 / 10
016																											2.5 / 5 / 10
017																											2.5 / 5 / 10
018																											2.5 / 5 / 10
019																											2.5 / 5 / 10
020																											2.5 / 5 / 10


Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WIDRO, Phenolics, Other:

Headspace in VOA Vials (<6mm): Yes  No  N/A  \*If yes look in headspace column

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	DG9A 40 mL amber ascorbic	JGFU 4 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP2N 500 mL plastic HNO3	DG9T 40 mL amber Na Thio	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP2Z 500 mL plastic NaOH, Znact	VG9U 40 mL clear vial unpres	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3U 250 mL plastic unpres	VG9H 40 mL clear vial HCL	
AG5U 100 mL amber glass unpres	BP3B 250 mL plastic NaOH	VG9M 40 mL clear vial MeOH	
AG2S 500 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9D 40 mL clear vial DI	SP5T 120 mL plastic Na Thiosulfate
BP3S 250 mL clear glass unpres			ZPLC ziploc bag
			GN:






 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 25Apr2018
	Document No.: <b>F-GB-C-031-Rev.07</b>	Issuing Authority: <b>Pace Green Bay Quality Office</b>

### Sample Condition Upon Receipt Form (SCUR)

**Client Name:** EDM  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

**Project #:** **WO# : 40187476**  
  
 40187476

**Tracking #:** \_\_\_\_\_  
**Custody Seal on Cooler/Box Present:**  yes  no    **Seals intact:**  yes  no  
**Custody Seal on Samples Present:**  yes  no    **Seals intact:**  yes  no  
**Packing Material:**  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_  
**Thermometer Used** SR - N/A    **Type of Ice:**  Wet  Blue  Dry  None     Samples on ice, cooling process has begun  
**Cooler Temperature**    Uncorr: 60°F    ICorr: \_\_\_\_\_  
**Temp Blank Present:**  yes  no    **Biological Tissue is Frozen:**  yes  no  
 Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C.

**Person examining contents:**  
**Date:** 5/11/2019  
**Initials:** SJ

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>NO Page # no mail</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>5/11/2019 SJ</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <u>S-11-14 JTK</u>	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>021-022 no date S-11-14 JTK</u>
-Includes date/time/ID/Analysis    Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <u>5/11/2019 SJ</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>427</u>		

**Client Notification/ Resolution:** \_\_\_\_\_    If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_

**Project Manager Review:** For EDM    **Date:** 05/11/19