QUARTERLY MONITORING REPORT
Second Quarter 2024

Burger Dairy
1054 West Market Street
Nappanee, Elkhart County, Indiana
IDEM FID No. 3112
LUST Incident No. 201705509
Indiana Brownfields Site No. 4211108

Prepared for:

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TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

1.0 INTRODUCTION/BACKGROUND

IWM Consulting Group, LLC (IWM Consulting) has completed has completed quarterly monitoring (second quarter 2024) activities at the referenced site located at 1054 West Market Street, Nappanee, Elkhart County, Indiana (hereinafter referred to as the Site). This work was performed for the Indiana Brownfields Program (IBP) Petroleum Orphan Site Initiative (POSI). A **Site Location Map** is provided as **Figure 1**. The information contained in this *Quarterly Monitoring Report* (QMR) includes the field methodologies and findings of the Second quarter 2024 groundwater sampling and analyses. Currently, the cleanup criteria for the Site correspond to the IDEM *Risk-based Closure Guide* (R2), established July 8, 2022, and updated March 1, 2024.

The subject site is located on the north side of Market Street, between Cardinal Street to the west of the Site and Guiss Street to the east of the Site in Nappanee, Indiana. The Site contains an approximately 10,350 square foot convenience store and catering building that was constructed circa 1979 and a utility shed.

According to documentation available on the Indiana Department of Environmental Management (IDEM) Virtual File Cabinet (VFC), one (1) 10,000-gallon gasoline UST and one (1) 10,000-gallon compartmentalized UST with two (2) 4,000-gallon gasoline compartments and one (1) 2,000-gallon diesel compartment were reportedly installed in October 1993. The IDEM Leaking Underground Storage Tank (LUST) section reported a release on May 19, 2017 due to unusual operating conditions and several violations, and the Site was assigned LUST No. 201705509 (VFC Document No. 80480309).

In order to document Site assessment activities, UST closure, and investigation activities IWM Consulting has prepared and submitted a *Phase I Environmental Site Assessment (ESA) Report*, dated April 25, 2022 (VFC Document No. 83307510); a *Remediation Work Plan* (RWP) dated April 25, 2022 (VFC Document No. 83307210) and approved on April 26, 2022; a *UST Closure Assessment Report*, dated June 24, 2022 (VFC Document No. 83336048); and a *Phase II Environmental Site Assessment*, dated February 14, 2023 (VFC Document No. 83434530). The underground storage tank (UST) system and dispenser canopy were removed in May 2022. During UST closure activities approximately 1,495.7-tons of petroleum impacted UST backfill material and soil from the south sidewall of the UST excavation and from beneath the fuel dispensers was removed and disposed at the Prairie View Landfill in Wyatt, Indiana. Approximately 22,350-gallons of petroleum impacted groundwater was removed from the UST pit was transported offsite for treatment and disposal.

Based on the results of the UST closure, IWM Consulting proceeded with completion of a Phase II ESA to investigate soil, groundwater, and vapors beneath the site. The Phase II ESA documented completion of a geophysical survey, installation of soil borings/temporary wells (GP-1 through GP-11), installation of vapor points (VP-1 and VP-2), and conversion of temporary wells GP-2, 3, 4, 7, 9, 10, and 11 to permanent monitoring wells MW-1 through MW-7, respectively.

Phase II activities commenced in May 2022. Based on reports by the Site owner that a basement structure remained at the Site south of the former canopy area, a geophysical assessment was completed in an attempt to locate this structure and complete a private utility locate. A possible basement structure was identified. In June 2022, soil borings and temporary monitoring wells GP-1 through GP-7 and vapor points VP-1 and VP-2 were installed. Following installation, soil, groundwater, and vapor samples were collected from the soil borings, monitoring wells, and vapor points. Results indicated that benzene and naphthalene were present in groundwater near the west boundary of the site and additional investigation, off-site to the west and southwest (down-gradient), was requested by the IBP Project Manager (PM). Temporary wells GP-2, 3, 4, and 7 were converted to permanent monitoring wells MW-1 through MW-4, respectively, on August 23, 2022. Temporary wells GP-1, 5, and 6 were abandoned. The IBP PM requested installation of up to four (4) off-site soil borings/temporary monitoring wells in an attempt to delineate petroleum impacts in the groundwater.

A request for access was made to the property owner to the west of the Site, Mr. Nang Ha, 1058 West Market Street in July 2022. The offsite access was not granted until November 2022, following many conversations/correspondences with Mr. Ha, his attorney, the IBP PM, and the IBP attorney.

Offsite soil borings and temporary wells GP-8, 9, 10, and 11 were installed and sampled in November 2022. Results indicated the groundwater plume was defined. The IBP PM approved installation of monitoring wells and requested to complete quarterly monitoring in an email dated December 13, 2022. Permanent monitoring wells MW-5, MW-6, and MW-7 were installed at GP-9, 10, and 11, respectively. The IBP PM requested at least four quarters (through fourth quarter 2023) of groundwater monitoring to evaluation concentrations and determine if the site is suitable for no further action (NFA). Following review of the fourth quarter 2023 QMR, the IBP project manager requested continued groundwater monitoring through fourth quarter 2024.

This QMR (second quarter 2024) documents the sixth consecutive quarterly groundwater sampling event that includes the entire monitoring well network.

2.0 SITE WORK

2.1 Site Work

On May 16, 2024, IWM Consulting performed quarterly groundwater sampling at the Site. This quarterly sampling event (second quarter 2024) represents the sixth consecutive quarterly sampling event for the entire monitoring well network performed at the Site. Monitoring well locations and other relevant Site features are depicted on **Figure 2** (**Site Plan and Well Location Map**).

Purge water generated during the second quarter 2024 sampling events was temporarily staged on-site within a labeled, 55-gallon, steel drum pending characterization and disposal. One (1) partial 55-gallon drum of purge water was generated during the second quarter 2024 sampling activities.

2.2 Groundwater Sampling

On May 16, 2024, MW-1 through MW-7 were gauged with an electronic water level indicator probe to determine groundwater elevations. The results of the May 2024 gauging event are included in **Table 1 (Summary of Groundwater and Well Measurements – May 16, 2024). Table 1** includes the well identifications, groundwater observations, total well depths, top-of-casing elevations, depths to groundwater, and groundwater elevations, for the seven (7) wells located on and off the site.

On May 16, 2024, groundwater samples were collected from the seven (7) monitoring wells (MW-1 through MW-7) using low-flow sampling techniques. Purging and sampling of each monitoring well was completed using a pneumatically-operated bladder pump equipped with new, disposable, ¼-inch diameter polyethylene tubing. Groundwater purged from the wells was directed through a flow-through cell equipped with a YSI Model 556 multi-meter. Water quality parameters measured using the YSI included temperature (°C), specific conductance (mS/Mc^{C}), dissolved oxygen (mg/L), pH (standard units), and oxygen reduction potential (mV). Purge rates were established to ensure minimal drawdown which is defined as being less than 0.33 feet of drawdown during a purge cycle. Water levels were monitored continuously in each well during the purging cycle. Groundwater samples were collected from each monitoring well when the temperature, specific conductivity ($\pm$3%), dissolved oxygen ($\pm$10%), pH ($\pm$.1 s.u.), and oxygen reduction potential ($\pm$10mV) reached equilibrium. Groundwater quality monitoring data is included on the **Water Parameter Monitoring Forms** presented in **Appendix A**.

The field technician wore nitrile gloves during all phases of the purging and sampling, and the gloves were changed after collecting samples at each monitoring well. Groundwater samples from each well were carefully collected in the appropriate laboratory-provided containers. The samples were placed in an ice-filled cooler after collection, and transported under chain-of-custody control via laboratory courier to Pace Analytical Services, LLC (Pace), in Indianapolis, Indiana. For quality assurance/quality control (QA/QC) purposes, the May 2024

quarterly groundwater sampling event included one (1) duplicate groundwater sample (MW-6). A trip blank sample was included for the sampling events and submitted for laboratory analysis of VOCs.

The groundwater samples collected from MW-1 through MW-7 (May 16, 2024) were submitted to Pace in Indianapolis, Indiana for analysis of volatile organic compounds (VOCs) using SW-846 Method 8260 and polynuclear aromatic hydrocarbons (PAHs) using SW-846 Method 8270 SIM. Laboratory provided groundwater analytical results are presented in **Appendix B** (**Groundwater Analytical Results – Second Quarter 2024**).

3.0 DISCUSSION OF FINDINGS

3.1 Hydrogeology

The hydrogeologic conditions beneath the Site were determined using information collected from the seven (7) monitoring wells gauged on May 16, 2024. The May 2024 gauging event identified the groundwater beneath the Site at depths ranging from approximately 3.23-feet below the top of casing in MW-4 to 5.26-feet below the top of casing in MW-7. The locations of the monitoring wells are shown on **Figure 2** and the gauging data is presented in **Table 1**.

Previous investigations by IWM Consulting encountered subsurface soils throughout the Site consisting of sandy and/or silty clay, with discontinuous sand seams of varying thicknesses and at varying depths. Groundwater was encountered at depths ranging from 5- to 8-feet below surface grade (bsg).

A **Groundwater Potentiometric Map**, provided as **Figure 3**, was prepared for the Site using the gauging data collected on May 16, 2024. Groundwater flow at the site has been consistent. The apparent groundwater flow direction was to the southwest. The groundwater elevations determined from the May 2024 groundwater gauging event indicate that the groundwater gradient in the Site vicinity appears to be relatively flat, ranging from 871.55-feet above mean sea level on the north side of the Site (MW-4) to 867.05-feet above mean sea level southwest of the Site on the offsite property (MW-7).

3.2 Laboratory Results

Eight (8) groundwater samples, including one (1) duplicate sample (DUPW) collected from MW-6, were collected using low-flow sampling techniques on May 16, 2024. Groundwater samples collected from each well were analyzed for VOCs using SW-846 Method 8260 and PAHs using SW-846 Method 8270 SIM.

Benzene, 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene were present in the sample collected monitoring well MW-2 exceeding their respective 2024 IDEM R2 Groundwater Published Levels (GWPLs). Remaining petroleum contaminants of concern (COCs) were not detected in excess of their IDEM R2 GWPLs.

A field duplicate sample (DUPW) was collected from MW-6 and analyzed for the same parameters on May 16, 2024. The results of the duplicate analyses were similar to the results reported for MW-6. The laboratory report included standard level II laboratory QA/QC documentation.

The concentrations detected in excess of their respective LRLs for groundwater samples analyzed during the May 2024 sampling event are included in **Table 2** (**Summary of Groundwater Analytical Results (µg/L) – Second Quarter 2024**). Groundwater concentrations detected in excess of their IDEM R2 GWPL are depicted on **Figure 4**

(**Groundwater Analytical Results Map – Second Quarter 2024**). The May 2024 groundwater analytical results are also presented in **Table 3** (**Historical Summary of Groundwater Analytical Results (µg/L))**, along with the groundwater analytical results collected from temporary wells beginning in June 2022 in addition to historical groundwater depth to water and groundwater elevation. Review of **Table 3** indicated the naphthalene concentration in the groundwater sample collected from monitoring well MW-6 remained below the IDEM R2 GWPL during Second quarter 2024. In comparison, the groundwater elevation in MW-6 was approximately 3-feet higher in second quarter 2024 than in fourth quarter 2023 (the last time MW-6 contained COCs exceeding IDEM R2 GWPLs.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The second quarter 2024 groundwater sampling detected benzene, 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene exceeding their respective IDEM R2 GWPLs. Remaining COCs were not detected in excess of their IDEM R2 GWPLs.

Groundwater flow beneath the Site is to the southwest, away from the Site.

The naphthalene concentration in the groundwater sample collected from monitoring well MW-6 remained below the IDEM R2 GWPL during second quarter 2024. In comparison, the groundwater elevation in MW-6 was approximately 3-feet higher in second quarter 2024 than in fourth quarter 2023 (the last time MW-6 contained COCs exceeding IDEM R2 GWPLs. Groundwater contaminant concentrations indicate an inverse relationship to depth to groundwater in MW-6. Seasonal fluctuations are likely in contaminant concentrations observed at the Site.

Based on the continued fluctuations of contaminant concentrations, the IBP project manager requested continued groundwater monitoring through fourth quarter 2024. IWM Consulting will perform the next quarterly sampling event for the second quarter 2024 in May 2024.

5.0 LIMITATIONS

The services, data, and opinions of IWM Consulting Group (IWM Consulting) performed for and expressed in this report are for the sole and exclusive use of TLH, Inc. and the IBP. The scope of services for this project may not be appropriate for the needs of others, and the use or re-use of this document and the findings, conclusions, or recommendations expressed herein is not contemplated and at the risk of the user. Reliance by any party on the facts, conclusions, and recommendations in this report is subject to the specific scope of work and the contractual terms and conditions under which this work was authorized and performed.

In performing this investigation, IWM Consulting has striven to conform to generally accepted principles and practices of other consultants conducting similar investigations in the same geographic area. This warranty is in lieu of all others, either expressed or implied. The investigation is limited to the specific project, property, and date of IWM Consulting's site visit, as described in this report, and its findings should not be relied upon by any party to represent conditions at other times or properties. The investigation described in this report was also conducted within the context of agency rules, regulations, and enforcement policies in effect at the time of its execution; later changes in rules, regulations, and policies may result in different conclusions than those expressed in this report.

The scope of the investigation and report was mutually devised by IWM Consulting, TLH, Inc. and the IBP, and is not intended as an audit for regulatory compliance. No activity, including sampling, investigation or evaluation of any material or substance, may be assumed to be included in this investigation unless such activity is expressly considered in the scope of work and this report. Maps and drawings in this report are included only to aid the reader and should not be considered surveys or engineering studies.

The findings of the investigation are probabilities based on IWM Consulting's professional judgment of site conditions as discernible from the limited, and often indirect, information provided by others and obtained or observed by IWM Consulting using the methods specified. IWM Consulting does not warrant the accuracy or completeness of information and independent opinions, conclusions, and recommendations provided or developed by others and assumes no responsibility for documenting conditions detectable with methods or techniques not specified in the scope of work. IWM Consulting's opinion regarding site conditions is not a warranty that all areas within the site and beneath site structures are of the same quality or condition as those observed or sampled.

Sincerely,
IWM Consulting Group, LLC

Jeff Jacob, CHMM No. 15635
Senior Project Manager

6.0 REFERENCES

Indiana Department of Environmental Management, March 22, 2012, Remediation Closure Guide, IDEM Office of Land Quality.

Indiana Department of Environmental Management, March 22, 2012, Remediation Closure Guide, Appendix A: Screening Levels, Table A-6: 2013 Screening Levels, Updated March 2022, IDEM Office of Land Quality.

Indiana Department of Environmental Management, March 22, 2012, Remediation Program Guide, IDEM Office of Land Quality.

Indiana Department of Environmental Management, July 8, 2022, Risk-based Closure Guide, IDEM Office of Land Quality.

Indiana Department of Environmental Management, July 8, 2022, Risk-based Closure Guide, Published Levels, Table 1: 2022 Published Level Table, Updated July 2022, IDEM Office of Land Quality.

Indiana Department of Environmental Management, Virtual File Cabinet, http://vfc.idem.in.gov/.

IWM Consulting Group, Phase I Environmental Site Assessment, April 25, 2022, VFC Document No. 83307510.

IWM Consulting Group, Remediation Work Plan, April 25, 2022, VFC Document No. 83307511.

IWM Consulting Group, Underground Storage Tank Closure Assessment Report, June 24, 2022, VFC Document No. 83336048.

IWM Consulting Group, Phase II Environmental Site Assessment, February 14, 2023, IDEM VFC Document No. 83434530.

United States Geological Survey, Topographic Map, 7.5 Minute Series, Nappanee East, Indiana USGS Topographic Quadrangle Map, Published 2019.

United States Geological Survey, Topographic Map, 7.5 Minute Series, Nappanee West, Indiana USGS Topographic Quadrangle Map, Published 2019.

TABLES

TABLE 1
Summary of Groundwater and Well Measurements - May 16, 2024
Burger Dairy
1054 West Market Street
Nappanee, Elkhart County, Indiana
IBP Site No. 4211108

Well ID	Groundwater Observations	Total Well Depth	TOC Elevation	Depth to Groundwater	Groundwater Elevation
MW-1	cl, no turb, no odor, no sheen	13.49	874.16	3.58	870.58
MW-2	cl, v sl turb, sl gas/die odor, no sheen	14.00	873.48	4.10	869.38
MW-3	cl, v sl turb, v sl die odor, no sheen	13.86	873.10	3.84	869.26
MW-4	cl, v sl turb, no odor, no sheen	13.14	874.78	3.23	871.55
MW-5	cl, no turb, no odor, no sheen	12.71	872.91	5.23	867.68
MW-6	cl, no turb, no odor, no sheen	12.80	872.59	4.80	867.79
MW-7	cl, no turb, no odor, no sheen	12.83	872.31	5.26	867.05

Notes:

All measurements are reported in feet.

Monitoring well elevations surveyed by Maxwell Surveying on February 14, 2023

Groundwater observations may include: color (cl–clear, gry–gray, blk–black, brn–brown, orn–orange), turbidity (turb), odor (gas–gasoline, die–diesel, sep–septic), shade (lt–light, dk–dark), modifier (v–very, sl–slight, mod–moderate, sig–significant)

Groundwater Observations were made at the time the well was purged for sampling.

TABLE 2
Summary of Groundwater Analytical Results (ug/L) - Second Quarter 2024
Burger Dairy
1054 West Market Street
Nappanee, Elkhart County, Indiana
IBP Site No. 4211108

Sample ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	n-Hexane	Isopropylbenzene (Cumene)	Methyl tert-butyl ether (MTBE)	n-Propylbenzene	Toluene	Xylene, Total
GWPL		10	40	1.0	NE	20,000	5	1,000	2,000	700	2,000	500	100	700	1,000	10,000
		PAHs				VOCs										
MW-1	05/16/24	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0
MW-2	05/16/24	**106**	**153**	**443**	<1.0	<100	**25.3**	24.8	18.2	222	57.8	127	<4.0	285	<5.0	28.5
MW-3	05/16/24	1.2	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0
MW-4	05/16/24	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0
MW-5	05/16/24	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0
MW-6	05/16/24	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0
DUPW	05/16/24	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0
MW-7	05/16/24	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	11.1	<5.0	<5.0	<10.0

Notes:

All concentrations are reported in ug/L. NE = No IDEM RCG Screening Level established for this constituent.

ND = Not detected above laboratory reporting limits.

All concentrations are reported in µg/L. NE = No IDEM Risk-based Closure Guide (R2) Published Level established for this constituent.

Bold values indicate concentrations above the R2 Groundwater Published Level (GWPL).

IDEM Risk-based Closure Guide (R2) - Published Levels Table 1 Human Health: Standard Exposure Scenarios, March 1, 2024 Update.

TABLE 3
Historical Summary of Groundwater Analytical Results (ug/L)
Burger Dairy
1054 West Market Street
Nappanee, Elkhart County, Indiana
IBP Site No. 4211108

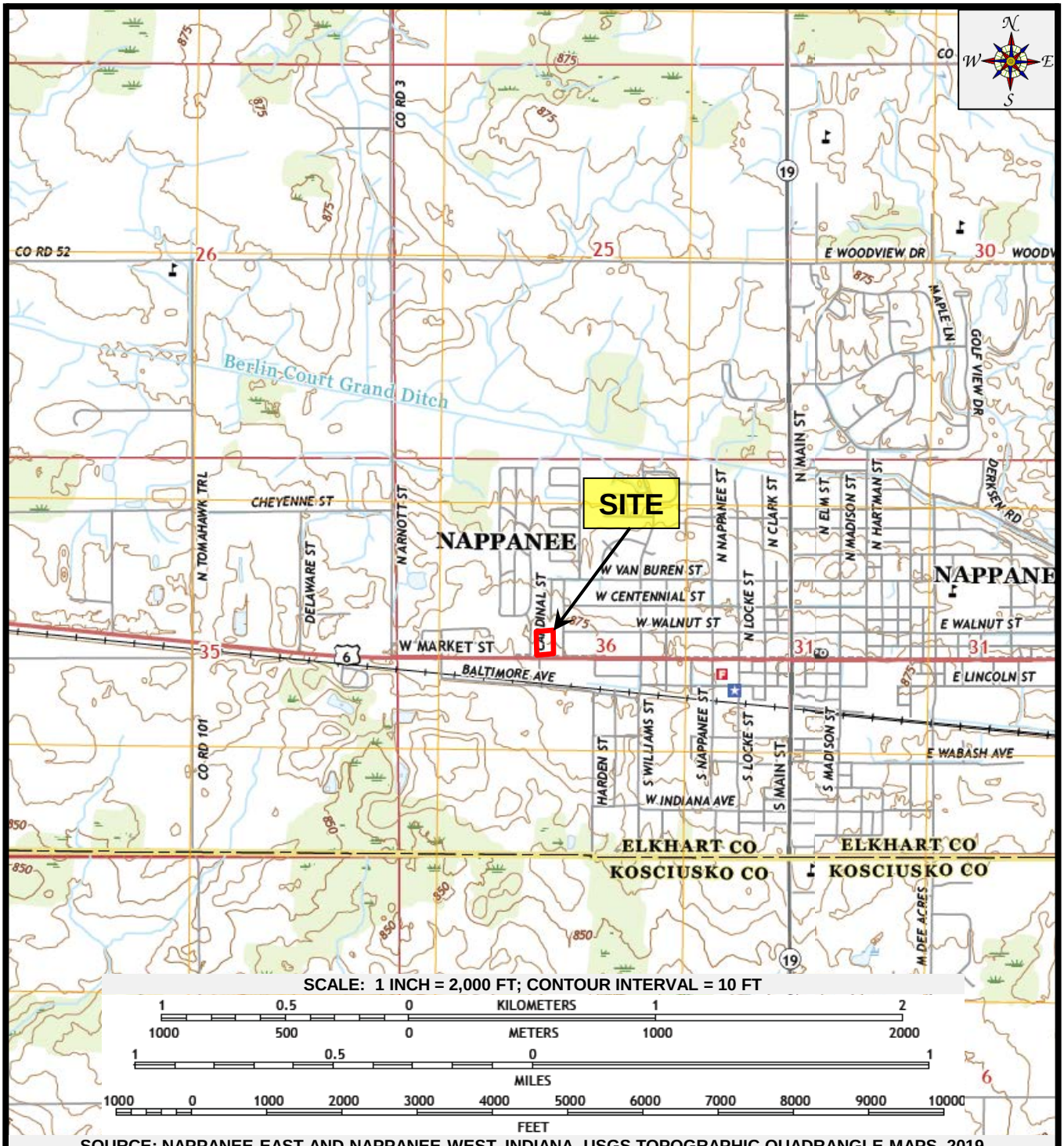
Sample ID	Sample Date	Depth to Water*	Groundwater Elevation*	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	n-Hexane	Isopropylbenzene (Cumene)	Methyl tert-butyl ether (MTBE)	n-Propylbenzene	Toluene	Xylene, Total	Lead, Total	Lead, Dissolved
GWPL				10	40	1.0	NE	20,000	5	1,000	2,000	700	2,000	500	100	700	1,000	10,000	15	15
				PAHs				VOCs											Metals	
GP-1	06/16/22	3.43	870.70	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	<10.0	<10.0
MW-1/GP-2	06/17/22	4.74	869.60	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	12.7	<10.0
	02/14/23	4.40	869.76	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	05/26/23	4.46	869.70	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	08/22/23	5.65	868.51	**95.9**	**121**	**482**	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	09/18/23	6.68	867.48	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	11/15/23	6.24	867.92	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	02/23/24	4.45	869.71	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	05/16/24	3.58	870.58	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
MW-2/GP-3	06/17/22	5.40	868.18	**117**	**186**	**621**	<1.0	<100	**38.4**	28.9	18.3	248	44.8	127	<4.0	287	<5.0	55.9	<10.0	<10.0
DUPW (GP-3)	06/17/22	-	-	**106**	**170**	**573**	<1.0	<100	**36.2**	25.3	17.2	237	43.9	122	<4.0	267	<5.0	52.0	<10.0	<10.0
	02/14/23	4.92	868.56	**124**	**172**	**508**	<1.0	<100	**34.9**	37.1	22.7	229	110	143	<4.0	321	<5.0	31.9	NA	NA
DUPW (MW-2)	02/14/23	-	-	**114**	**152**	**504**	<1.0	<1,000	**<50.0**	<50.0	<50.0	279	<50.0	117	<40.0	305	<50.0	<100	NA	NA
	05/26/23	4.96	868.52	**87.9**	**121**	**459**	<1.0	<100	**24.1**	22.5	15.3	281	41.9	105	<4.0	252	<5.0	27.9	NA	NA
DUPW (MW-2)	05/26/23	-	-	**97.1**	**127**	**471**	<1.0	<100	**24.4**	22.2	15.6	275	43.6	106	<40.0	254	<5.0	28.2	NA	NA
	08/22/23	6.50	866.98	<1.0	<1.0	<1.0	<1.0	<100	**25.3**	23.8	16.5	245	41.4	105	<4.0	225	<5.0	26.2	NA	NA
	09/18/23	7.48	866.00	**89.5**	**72.3**	**371**	<1.0	<100	**22.1**	23.6	16.2	143	21.9	78.4	<4.0	137	<5.0	24.1	NA	NA
DupW (MW-2)	09/18/23	-	-	**83.8**	**66.7**	**363**	<1.0	<1000	**154**	<50.0	<50.0	148	<50.0	79.3	<40.0	184	75.9	<100	NA	NA
	11/15/23	7.17	866.31	**95.0**	**113**	**534**	<1.0	<100	**22.6**	26.6	16.9	129	47.6	108	<4.0	236	<5.0	25.9	NA	NA
	02/23/24	4.99	868.49	**96.6**	**128**	**411**	<1.0	<100	**29.2**	28.6	19	142	56.8	123	<4.0	288	<5.0	29.2	NA	NA
	05/16/24	4.10	869.38	**106**	**153**	**443**	<1.0	<100	**25.3**	24.8	18.2	222	57.8	127	<4.0	285	<5.0	28.5	NA	NA
MW-3/GP-4	06/17/22	4.45	868.78	3.9	3.7	1.2	1.3	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	<10.0	<10.0
	02/14/23	4.49	868.61	1.9	<1.0	<1.0	1.2	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	05/26/23	4.68	868.42	1.3	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	08/22/23	6.13	866.97	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	11/15/23	5.64	867.46	1.6	<1.0	<1.0	1.1	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	02/23/24	4.58	868.52	2.2	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	05/16/24	3.84	869.26	1.2	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
GP-5	06/16/22	9.26	863.67	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	32.0	<5.0	<5.0	<10.0	**42.9**	<10.0
GP-6	06/17/22	5.28	868.79	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	<10.0	<10.0
MW-4/GP-7	06/16/22	4.04	870.88	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	<10.0	<10.0
	02/14/23	3.84	870.94	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	05/26/23	4.14	870.64	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	08/22/23	5.04	869.74	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	11/15/23	5.79	868.99	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	02/23/24	3.90	870.88	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	05/16/24	3.23	871.55	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
GP-8	11/21/22	-	-	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	16.3	<5.0	<5.0	<10.0	NA	NA
MW-5/GP-9	11/21/22	-	-	1.9	2.5	**5.9**	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	02/14/23	5.19	867.72	4.0	4.8	**6.4**	<1.0	301	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	05/26/23	5.00	867.91	2.8	<1.0	**4.8**	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	5.5	<5.0	<10.0	NA	NA
	08/22/23	6.84	866.07	2.2	<1.0	**5.8**	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	11/15/23	7.29	865.62	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	02/23/24	4.67	868.24	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	05/16/24	5.23	867.68	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA

TABLE 3
Historical Summary of Groundwater Analytical Results (ug/L)
Burger Dairy
1054 West Market Street
Nappanee, Elkhart County, Indiana
IBP Site No. 4211108

Sample ID	Sample Date	Depth to Water*	Groundwater Elevation*	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	n-Hexane	Isopropylbenzene (Cumene)	Methyl tert-butyl ether (MTBE)	n-Propylbenzene	Toluene	Xylene, Total	Lead, Total	Lead, Dissolved
GWPL				10	40	1.0	NE	20,000	5	1,000	2,000	700	2,000	500	100	700	1,000	10,000	15	15
				PAHs				VOCs											Metals	
MW-6/GP-10	11/21/22	-	-	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
Dup-W2 (GP-10)	11/21/22	-	-	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	02/14/23	5.32	867.27	2.6	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	05/26/23	5.57	867.02	7.3	<1.0	**8.9**	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	6.2	<4.0	10.2	<5.0	<10.0	NA	NA
	08/22/23	6.93	865.66	**18.6**	4.6	**28.1**	<1.0	<100	<5.0	5.7	6.2	<5.0	<5.0	14.6	<4.0	24.9	<5.0	<10.0	NA	NA
DUPW (MW-6)	08/22/23	-	-	<1.0	<1.0	<1.0	<1.0	<100	<5.0	5.7	6.2	<5.0	<5.0	14.7	<4.0	25.3	<5.0	<10.0	NA	NA
	11/15/23	7.79	864.80	2.7	<1.0	**2.6**	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
DUPW (MW-6)	11/15/23	-	-	2.3	<1.0	**2.2**	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	02/23/24	5.57	867.02	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
DUPW (MW-6)	02/23/24	-	-	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	05/16/24	4.80	867.79	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
	05/16/24	-	-	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<5.0	<5.0	<10.0	NA	NA
MW-7/GP-11	11/21/22	-	-	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	12.3	<5.0	<5.0	<10.0	NA	NA
	02/14/23	5.47	866.84	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	8.9	<5.0	<5.0	<10.0	NA	NA
	05/26/23	5.03	867.28	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	10.1	<5.0	<5.0	<10.0	NA	NA
	08/22/23	7.32	864.99	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	16.2	<5.0	<5.0	<10.0	NA	NA
	11/15/23	8.06	864.25	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	15.7	<5.0	<5.0	<10.0	NA	NA
	02/23/24	4.39	867.92	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	9.4	<5.0	<5.0	<10.0	NA	NA
	05/16/24	5.26	867.05	<1.0	<1.0	<1.0	<1.0	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	11.1	<5.0	<5.0	<10.0	NA	NA

Notes:
All concentrations are reported in ug/L. NE = No IDEM RCG Screening Level established for this constituent.
NA = Not applicable/Not analyzed
ND = Not detected above laboratory reporting limits.
*Date shown is the date groundwater samples were collected and may not have been the exact date the groundwater depth was measured
Bold values indicate concentrations above the R2 Groundwater Published Level (GWPL).
IDEM Risk-based Closure Guide (R2) - Published Levels Table 1 Human Health: Standard Exposure Scenarios, March 1, 2024 Update.
Monitoring wells MW-1, MW-2, MW-3, MW-4, MW-6, and MW-7 were installed at temporary well locations GP-2, GP-3, GP-4, GP-7, GP-9, GP-10, and GP-11, respectively

FIGURES



SCALE: 1 INCH = 2,000 FT; CONTOUR INTERVAL = 10 FT

KILOMETERS 1 0.5 0 1 2

METERS 1000 500 0 1000 2000

MILES 1 0.5 0 1

FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

SOURCE: NAPPANEE EAST AND NAPPANEE WEST, INDIANA, USGS TOPOGRAPHIC QUADRANGLE MAPS, 2019

iWM CONSULTING GROUP

1015 Production Road, Fort Wayne, IN 46808
(260) 497-9620 Fax: (260) 471-7071

Project	Task	Size	Date
22-920	10	A	03/31/2022

FIGURE 1 **Site Location Map**
Burger Dairy – IBP No. 421108
1054 West Market Street
Nappanee, Elkhart County, Indiana

CLIENT

INDIANA BROWNFIELDS PROGRAM
INDIANAPOLIS, INDIANA

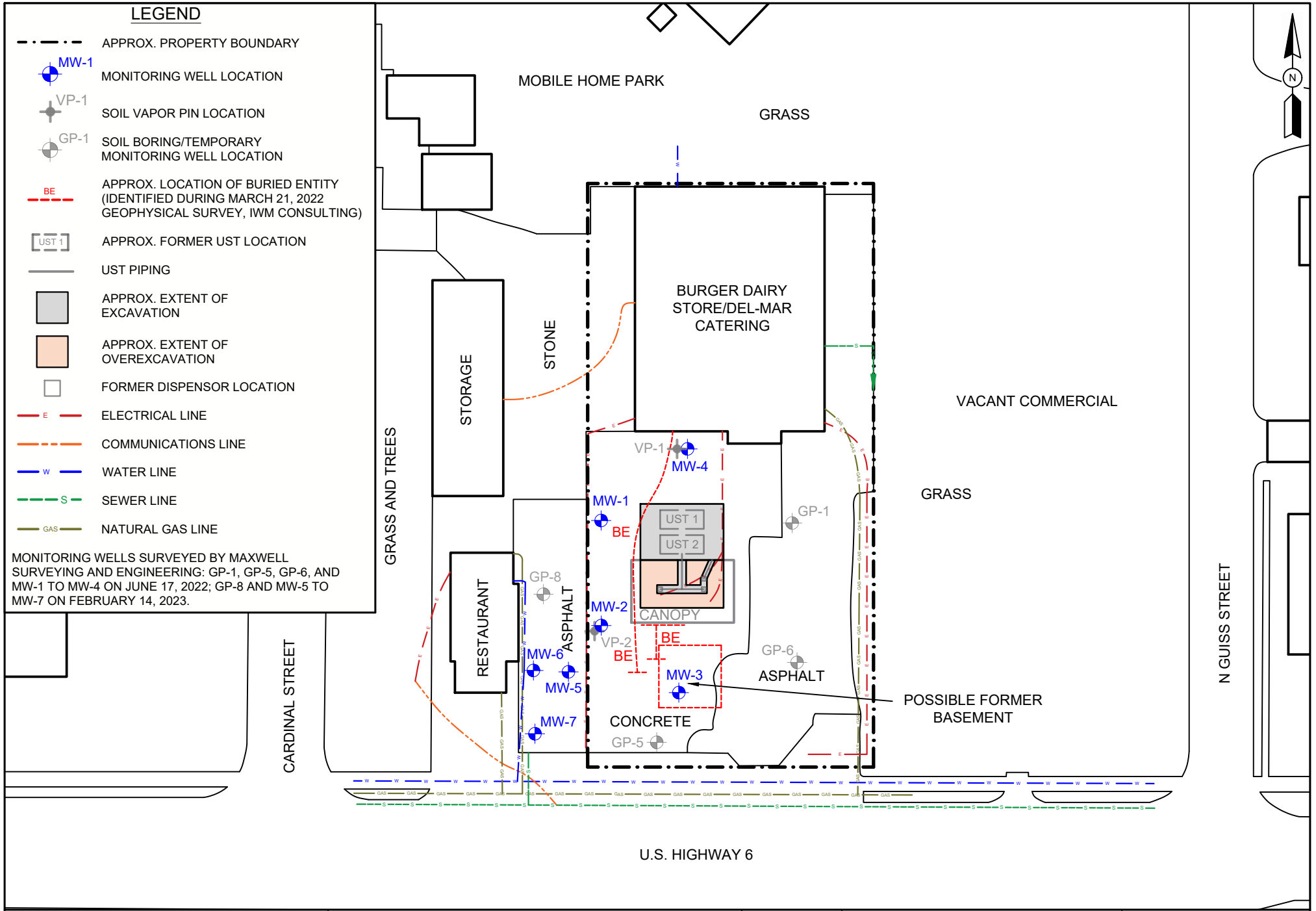


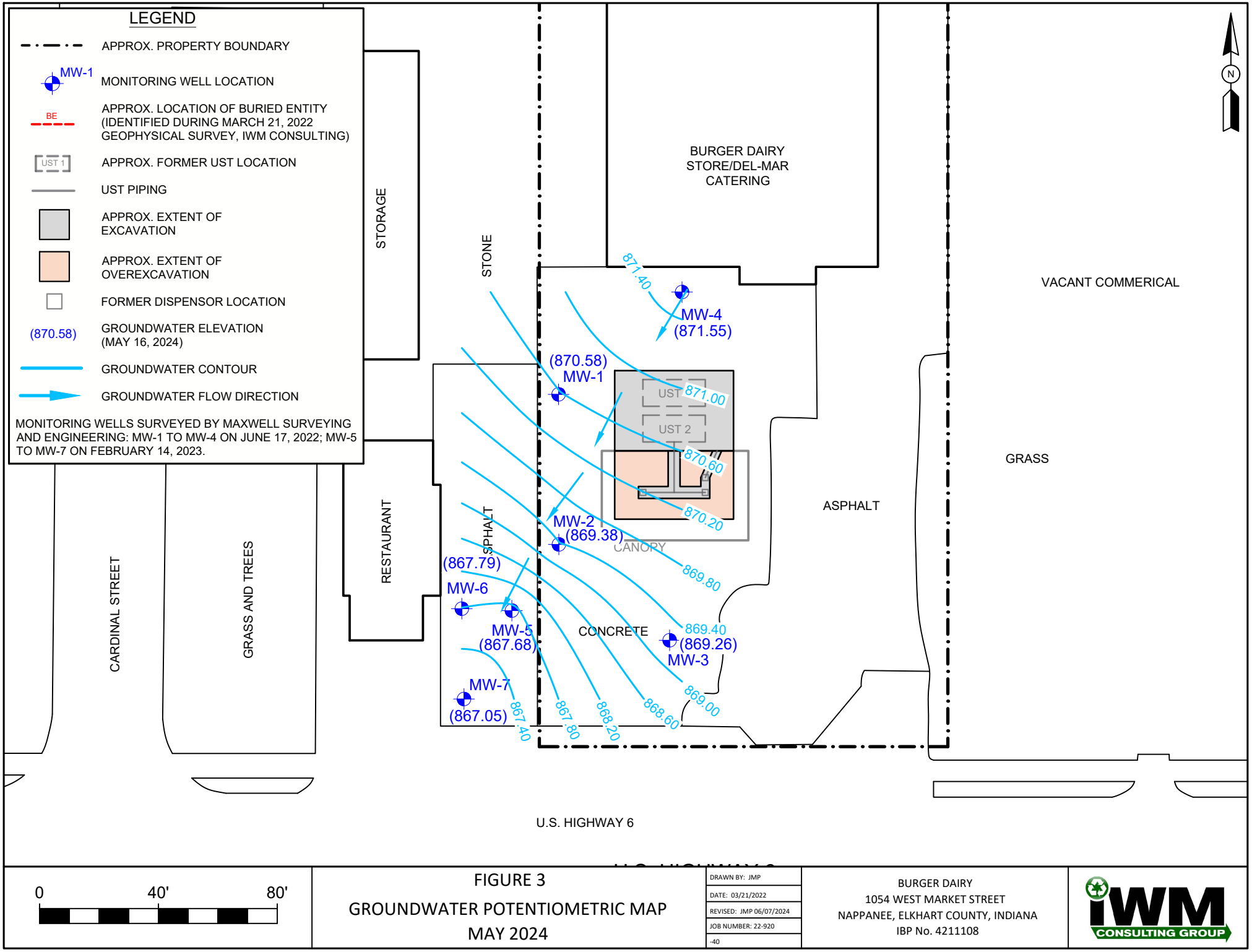
FIGURE 2

SITE PLAN AND WELL LOCATION MAP

DRAWN BY:	JMP
DATE:	03/21/2022
REVISED:	JMP 03/09/2023
JOB NUMBER:	22-920
	-40

BURGER DAIRY
1054 WEST MARKET STREET
NAPPANEE, ELKHART COUNTY, INDIANA
IBP No. 4211108

IWM CONSULTING GROUP


LEGEND
APPROX. PROPERTY BOUNDARY
MW-1
MONITORING WELL LOCATION
BE
APPROX. LOCATION OF BURIED ENTITY (IDENTIFIED DURING MARCH 21, 2022 GEOPHYSICAL SURVEY, IWM CONSULTING)
UST 1
APPROX. FORMER UST LOCATION
UST PIPING
APPROX. EXTENT OF EXCAVATION
APPROX. EXTENT OF OVEREXCAVATION
FORMER DISPENSOR LOCATION
(870.58)
GROUNDWATER ELEVATION (MAY 16, 2024)
GROUNDWATER CONTOUR
GROUNDWATER FLOW DIRECTION
MONITORING WELLS SURVEYED BY MAXWELL SURVEYING AND ENGINEERING: MW-1 TO MW-4 ON JUNE 17, 2022; MW-5 TO MW-7 ON FEBRUARY 14, 2023.
BURGER DAIRY STORE/DEL-MAR CATERING
STORAGE
STONE
VACANT COMMERICAL
GRASS
ASPHALT
RESTAURANT
CARDINAL STREET
GRASS AND TREES
CONCRETE
CANOPY
UST 1
UST 2
MW-1 (870.58)
MW-2 (869.38)
MW-3 (869.26)
MW-4 (871.55)
MW-5 (867.68)
MW-6 (867.79)
MW-7 (867.05)
871.40
871.00
870.60
870.20
869.80
869.40
869.00
868.60
868.20
867.80
867.40
U.S. HIGHWAY 6
N
0
40'
80'
FIGURE 3
GROUNDWATER POTENTIOMETRIC MAP
MAY 2024
DRAWN BY: JMP
DATE: 03/21/2022
REVISED: JMP 06/07/2024
JOB NUMBER: 22-920
-40
BURGER DAIRY
1054 WEST MARKET STREET
NAPPANEE, ELKHART COUNTY, INDIANA
IBP No. 4211108
IWM CONSULTING GROUP

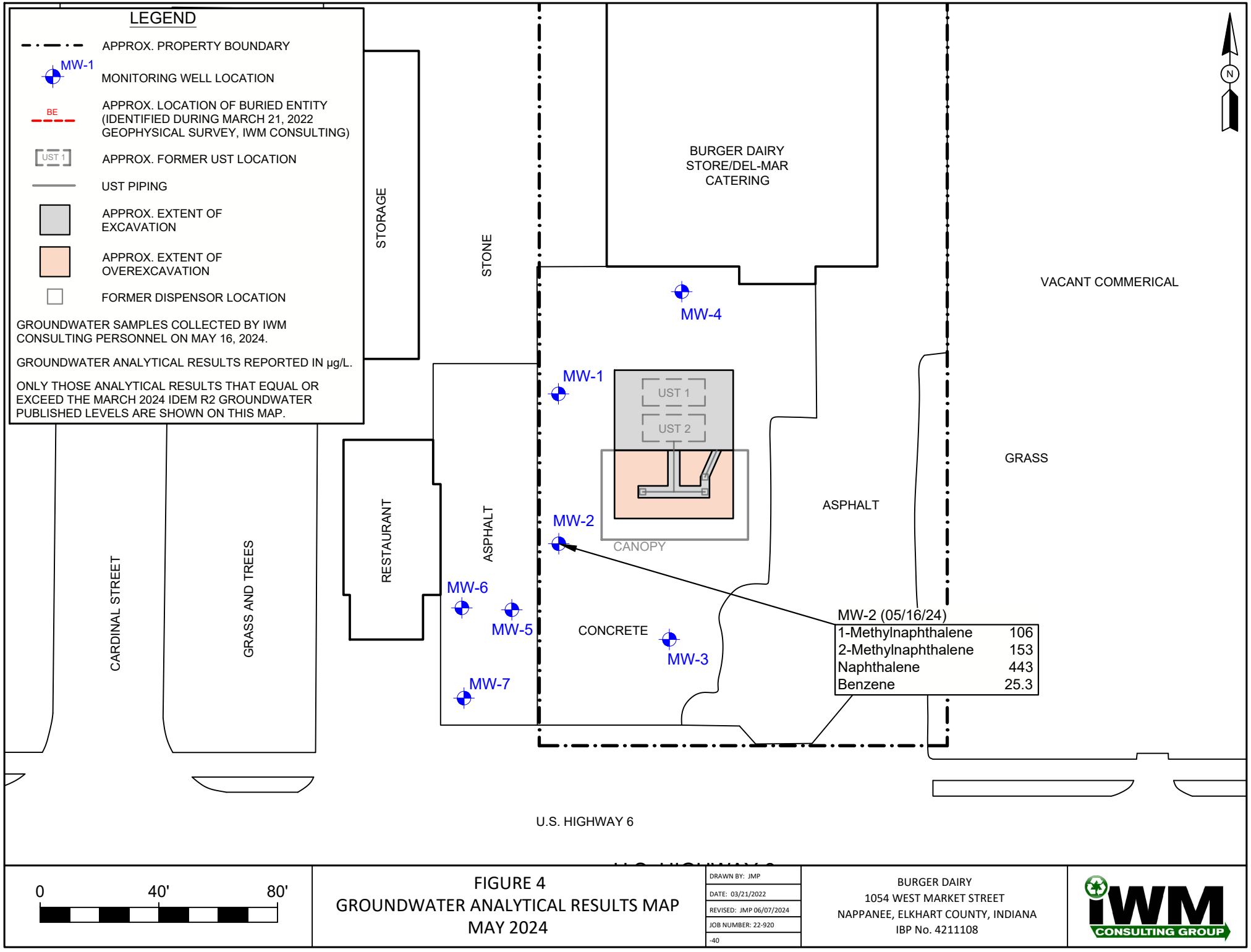


FIGURE 4
GROUNDWATER ANALYTICAL RESULTS MAP
MAY 2024

DRAWN BY: JMP
DATE: 03/21/2022
REVISED: JMP 06/07/2024
JOB NUMBER: 22-920
-40

BURGER DAIRY
1054 WEST MARKET STREET
NAPPANEE, ELKHART COUNTY, INDIANA
IBP No. 4211108

IWM CONSULTING GROUP

APPENDIX A

Water Parameter Monitoring Forms

YSI 556 CALIBRATION FORM

Date: 5/16/24

Personnel: J. Armayer

Parameter	Calibration Standard Value	Instrument Reading ***Before*** Calibration	Instrument Reading ***After*** Calibration	Calibration Accepted
ORP 23°	233.6 mV[1]	211.4	233.6	(Yes)/No
Sp Conductance	4.45 mS/cm			Yes/No
Sp Conductance	1413 µs/cm	1393	1413	(Yes)/No
pH	4.00 s.u.	3.96	4.00	(Yes)/No
pH	7.00 s.u.	7.04	7.00	(Yes)/No
pH	10.00 s.u.	9.96	9.99	(Yes)/No
DO	% O_2	97.6	97.5	(Yes)/No

[1]Temperature effects on Redox potential measurements of Zobell Solution ORP Standard.

Notes: _____

Temperature (°C)	ORP Value (mV)	Temperature (°C)	ORP Value (mV)
10	**250.5**	23	233.6
11	249.2	24	232.3
12	247.9	**25**	**231.0**
13	246.6	26	229.7
14	245.3	27	228.4
15	**244.0**	28	227.1
16	242.7	29	225.8
17	241.4	**30**	**224.5**
18	240.1	31	223.2
19	238.8	32	221.9
20	**237.5**	33	220.6
21	236.2	34	219.3
22	234.9	**35**	**218.0**

Water Parameter Monitoring Form

PROJECT No.: 22920-40 PROJECT NAME: Burger Dairy WELL No.: MW-1
DATE: 05/14/24 SAMPLERS: APS WEATHER: 71°F cloudy

WELL INFORMATION:
REF. POINT: TOC TOTAL DEPTH: 13.49 SCREEN LENGTH (Ft): 10 DEPTH (BGL): ____ TO ____
WELL DIA.:(In): 2 WATER DEPTH: 3.58 HEIGHT OF TOC ABOVE/(BELOW) GRADE (Ft): X 0.3
HEIGHT OF WATER COLUMN (Ft.): 9.91 DEPTH TO SCREEN BELOW TOC (Ft): 3.49 TO 13.49
FREE PRODUCT PRESENT (Ft): — TO — WELL HEADSPACE READING IN ppm (PID/FID): ____
INTAKE DEPTH (Ft. BELOW TOC): 8.54

EQUIPMENT, METERS & METHODS UTILIZED:
___SUBMERSIBLE PUMP X BLADDER PUMP ___PERISTALTIC ___BAILER
___DOWN-HOLE METER X FLOW-THRU CELL 300 mL ___OPEN CONTAINER AT SURFACE
___MICROTPW TURBIDIMETER X INTERFACE PROBE ___WL METER X YSI 556
X LOW-FLOW ___3 WELL VOLUMES ___WELL PURGED DRY 0.5 TOTAL VOL. PURGED (GAL.)
OTHER: VOC's + PAH's

Time	Temp. (°C)	Sp. Cond. (mS/cm) Or Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turbidity (NTU) Or (VIS.)	Rate (mL/Min)	DTW (Ft.)	Comments
12:24	Started Pumping					V.Sl.	70	3.39	DTW ↑ due to pump displacement.
12:41	17.73	1.117	1.17	6.87	35.8	↓	↓	3.72	
12:44	17.85	1.117	1.13	6.88	33.4	↓	↓	3.73	
12:47	17.86	1.115	1.10	6.88	30.7	↓	↓	3.74	
12:50	17.68	1.112	1.11	6.87	25.7	↓	↓	3.75	
	✓	✓	✓	✓	✓	✓	✓	✓	Stable
12:53	Sampled MW-1								

Sampling Observations: Cl, V.Sl. T, No O., No S.
Well historically does not recharge properly.

Water Parameter Monitoring Form

PROJECT No.: 22920-40 PROJECT NAME: Burger Dairy WELL No.: MW-2
DATE: 05/16/24 SAMPLERS: AP WEATHER: 74°F Cloudy

WELL INFORMATION:
REF. POINT: TOC TOTAL DEPTH: 14.00 SCREEN LENGTH (Ft): 10 DEPTH (BGL): ____ TO ____
WELL DIA.:(In): 2 WATER DEPTH: 4.10 HEIGHT OF TOC ABOVE/(BELOW) GRADE (Ft): ≈ 0.3
HEIGHT OF WATER COLUMN (Ft.): 9.90 DEPTH TO SCREEN BELOW TOC (Ft): 4.00 TO 14.00
FREE PRODUCT PRESENT (Ft): — TO — WELL HEADSPACE READING IN ppm (PID/FID): ____
INTAKE DEPTH (Ft. BELOW TOC): 9.05

EQUIPMENT, METERS & METHODS UTILIZED:
___SUBMERSIBLE PUMP X BLADDER PUMP 200mL ___PERISTALTIC ___BAILER
___DOWN-HOLE METER X FLOW-THRU CELL ___OPEN CONTAINER AT SURFACE
___MICROTPW TURBIDIMETER X INTERFACE PROBE ___WL METER X YSI 556
X LOW-FLOW ___3 WELL VOLUMES ___WELL PURGED DRY 0.6 TOTAL VOL. PURGED (GAL.)
OTHER: VOC's + PAH's

Time	Temp. (°C)	Sp. Cond. (mS/cm) Or Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turbidity (NTU) Or (VIS.)	Rate (mL/Min)	DTW (Ft.)	Comments
15:47		Started Pumping				V. Sl.	70	3.72	DTW ↑ due to pump displacement
16:05	18.92	1.345	0.57	6.98	-106.5	↓	↓	4.30	Slight drawdown occurring
16:08	18.96	1.342	0.52	6.98	-106.9	↓	↓	↓	
16:11	18.70	1.335	0.50	6.97	-106.4	↓	↓	4.31	
16:14	18.58	1.330	0.47	6.96	-106.1	↓	↓	↓	
	✓	✓	✓	✓	✓	✓	✓	✓	Stable
16:17	Sampled MW-2								

Sampling Observations: Cl, V.Sl.T, Mod. gas O, No S.

Water Parameter Monitoring Form

PROJECT No.: 22920-40 PROJECT NAME: Berger Dairy WELL No.: MW-3
DATE: 05/16/24 SAMPLERS: APS WEATHER: 74°F cloudy

WELL INFORMATION:

REF. POINT: TOC TOTAL DEPTH: 13.86 SCREEN LENGTH (Ft): 10 DEPTH (BGL): ____ TO ____
WELL DIA.:(In): 2 WATER DEPTH: 3.84 HEIGHT OF TOC ABOVE/BELOW GRADE (Ft): ≈ 0.3
HEIGHT OF WATER COLUMN (Ft.): 10.02 DEPTH TO SCREEN BELOW TOC (Ft): 3.86 TO 13.86
FREE PRODUCT PRESENT (Ft): — TO — WELL HEADSPACE READING IN ppm (PID/FID): ____
INTAKE DEPTH (Ft. BELOW TOC): 8.86 * Well screen is submerged. Intake set @ halfway point of well screen.

EQUIPMENT. METERS & METHODS UTILIZED:

___SUBMERSIBLE PUMP X BLADDER PUMP ___PERISTALTIC ___BAILER
___DOWN-HOLE METER X FLOW-THRU CELL 200mL ___OPEN CONTAINER AT SURFACE
___MICROTPW TURBIDIMETER X INTERFACE PROBE ___WL METER X YSI 556
X LOW-FLOW ___3 WELL VOLUMES ___WELL PURGED DRY 0.6 TOTAL VOL. PURGED (GAL.)
OTHER: VOC's + PAH's

Time	Temp. (°C)	Sp. Cond. (mS/cm) Or Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turbidity (NTU) Or (VIS.)	Rate (mL/Min)	DTW (Ft.)	Comments
15:01		Started Pumping				V.Sl.	70	2.82	DTW ↑ due to pump displacement
15:16	18.00	1.639	0.62	6.98	-116.2	↓	↓	4.26	Drawdown occurring
15:19	18.13	1.639	0.58	6.98	-116.4	↓	↓	4.43	
15:22	18.34	1.640	0.56	6.98	-116.0	↓	↓	4.57	
15:25	18.43	1.640	0.53	6.98	-115.5	↓	↓	4.69	
	✓	✓	✓	✓	✓	✓	✓	✓	Stable
15:28	Sampled MW 3								

Sampling Observations: Orange V.Sl.T, V.Sl. Die. O., V.Sl. Sheen (possibly bacteria sheen?)
Well historically does not recharge properly.

Water Parameter Monitoring Form

PROJECT No.: 22920-40 PROJECT NAME: Burger Dairy WELL No.: MW-4
DATE: 05/16/24 SAMPLERS: APS WEATHER: 66° F Sunny

WELL INFORMATION:
REF. POINT: TOC TOTAL DEPTH: 13.14 SCREEN LENGTH (Ft): 10 DEPTH (BGL): ____ TO ____
WELL DIA.:(In): 2 WATER DEPTH: 3.23 HEIGHT OF TOC ABOVE/(BELOW) GRADE (Ft): ≈ 0.3
HEIGHT OF WATER COLUMN (Ft.): 9.91 DEPTH TO SCREEN BELOW TOC (Ft): 3.14 TO 13.14
FREE PRODUCT PRESENT (Ft): — TO — WELL HEADSPACE READING IN ppm (PID/FID): ____
INTAKE DEPTH (Ft. BELOW TOC): 8.19

EQUIPMENT, METERS & METHODS UTILIZED:
___SUBMERSIBLE PUMP X BLADDER PUMP ___PERISTALTIC ___BAILER
___DOWN-HOLE METER X FLOW-THRU CELL 250 mL ___OPEN CONTAINER AT SURFACE
___MICROTPW TURBIDIMETER X INTERFACE PROBE ___WL METER X YSI 556
X LOW-FLOW ___3 WELL VOLUMES ___WELL PURGED DRY 0.8 TOTAL VOL. PURGED (GAL.)
OTHER: VOC's + PAH's

Time	Temp. (°C)	Sp. Cond. (mS/cm) Or Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turbidity (NTU) Or (VIS.)	Rate (mL/Min)	DTW (Ft.)	Comments
10:17		Started	Pump	0.49	V.Sl.	70	2.75		DTW ↑ due to pump displacement.
10:34	17.01	1.418	0.72	7.16	78.5	↓	↓	3.85	Drawdown occurring
10:37	16.67	1.338	0.52	7.12	67.9	↓	↓	3.88	
10:40	16.75	1.302	0.47	7.10	65.5	↓	↓	↓	
10:43	16.60	1.257	0.40	7.06	64.6	↓	↓	↓	SpC Not Stable
10:46	16.50	1.237	0.36	7.05	64.3	↓	↓	↓	
10:49	16.53	1.222	0.34	7.04	64.1	↓	↓	↓	
	✓	✓	✓	✓	✓	✓	✓	✓	Stable
10:52		Sampled	MW-4						

Sampling Observations: Cl, V.Sl.T, No O., No S.

Water Parameter Monitoring Form

PROJECT No.: 22920-40 PROJECT NAME: Burger Dairy WELL No.: MW-5
DATE: 05/16/24 SAMPLERS: APS WEATHER: 72°F p-cloudy

WELL INFORMATION:
REF. POINT: TOC TOTAL DEPTH: 12.71 SCREEN LENGTH (Ft): 10 DEPTH (BGL): ____ TO ____
WELL DIA.:(In): 2 WATER DEPTH: 5.23 HEIGHT OF TOC ABOVE/(BELOW) GRADE (Ft): ~ 0.6
HEIGHT OF WATER COLUMN (Ft.): 7.48 DEPTH TO SCREEN BELOW TOC (Ft): 2.71 TO 12.71
FREE PRODUCT PRESENT (Ft): ~ TO ~ WELL HEADSPACE READING IN ppm (PID/FID): ____
INTAKE DEPTH (Ft. BELOW TOC): 8.97

EQUIPMENT. METERS & METHODS UTILIZED:
___SUBMERSIBLE PUMP X BLADDER PUMP ___PERISTALTIC ___BAILER
___DOWN-HOLE METER X FLOW-THRU CELL 200 mL ___OPEN CONTAINER AT SURFACE
___MICROTPW TURBIDIMETER X INTERFACE PROBE ___WL METER X YSI 556
X LOW-FLOW ___3 WELL VOLUMES ___WELL PURGED DRY 0.6 TOTAL VOL. PURGED (GAL.)
OTHER: VOC's + PAH's

Time	Temp. (°C)	Sp. Cond. (mS/cm) Or Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turbidity (NTU) Or (VIS.)	Rate (mL/Min)	DTW (Ft.)	Comments
13:12		Started Pumping				clear	70	4.33	DTW ↑ due to pump displacement.
13:30	18.23	1.368	0.70	6.96	-10.4	↓	↓	5.78	
13:33	18.46	1.368	0.68	6.95	-8.4	↓	↓	5.88	Drawdown occurring slightly.
13:36	18.59	1.369	0.67	6.95	-7.3	↓	↓	6.05	
13:39	18.66	1.369	0.65	6.95	-6.7	↓	↓	6.23	
13:42	18.67	1.369	0.65	6.95	-8.0	↓	↓	6.33	
	✓	✓	✓	✓	✓	✓	✓	✓	Stable
13:45	Sampled	MW-5							

Sampling Observations: Cl, NO3, NO2, NO4.

Water Parameter Monitoring Form

PROJECT No.: 22980-40 PROJECT NAME: Burger Dairy WELL No.: MW-6
DATE: 05/16/24 SAMPLERS: APS WEATHER: 73°F Cloudy

WELL INFORMATION:
REF. POINT: TOC TOTAL DEPTH: 12.80 SCREEN LENGTH (Ft): 10 DEPTH (BGL): ____ TO ____
WELL DIA.:(In): 2 WATER DEPTH: 4.80 HEIGHT OF TOC ABOVE/(BELOW) GRADE (Ft): 0.6
HEIGHT OF WATER COLUMN (Ft.): 8.00 DEPTH TO SCREEN BELOW TOC (Ft): 2.80 TO 12.80
FREE PRODUCT PRESENT (Ft): — TO — WELL HEADSPACE READING IN ppm (PID/FID): ____
INTAKE DEPTH (Ft. BELOW TOC): 8.80

EQUIPMENT, METERS & METHODS UTILIZED:
___SUBMERSIBLE PUMP X BLADDER PUMP ___PERISTALTIC ___BAILER
___DOWN-HOLE METER X FLOW-THRU CELL 200 mL ___OPEN CONTAINER AT SURFACE
___MICROTPW TURBIDIMETER X INTERFACE PROBE ___WL METER X YSI 556
X LOW-FLOW ___3 WELL VOLUMES ___WELL PURGED DRY 0.6 TOTAL VOL. PURGED (GAL.)
OTHER: VOC's + PAH's

Time	Temp. (°C)	Sp. Cond. (mS/cm) Or Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turbidity (NTU) Or (VIS.)	Rate (mL/Min)	DTW (Ft.)	Comments
14:09		Started	Pumping		clear	70	4.21		DTW ↑ due to pump displacement
14:25	19.34	1.348	0.65	6.94	-7.3	↓	↓	5.45	Drawdown occurring
14:28	19.40	1.348	0.60	6.94	-8.5	↓	↓	5.58	
14:31	19.32	1.346	0.59	6.94	-8.8	↓	↓	5.74	
14:34	19.20	1.345	0.55	6.94	-8.2	↓	↓	5.86	
	✓	✓	✓	✓	✓	✓	✓	✓	Stable
14:37	Sampled	MW-6							

Sampling Observations: DUPW (Duplicate) @ MW-6 Cl, NO T, NO O, NO S.
Well does not historically recharge properly.

Water Parameter Monitoring Form

PROJECT No.: 22920-40 PROJECT NAME: Burger Dairy WELL No.: MW-7
DATE: 05/16/24 SAMPLERS: APS WEATHER: 69°F Mostly Sunny

WELL INFORMATION:
REF. POINT: TOC TOTAL DEPTH: 12.83 SCREEN LENGTH (Ft): 10 DEPTH (BGL): ____ TO ____
WELL DIA.:(In): 2 WATER DEPTH: 5.26 HEIGHT OF TOC ABOVE/~~BELOW~~ GRADE (Ft): 0.6
HEIGHT OF WATER COLUMN (Ft.): 7.57 DEPTH TO SCREEN BELOW TOC (Ft): 2.83 TO 12.83
FREE PRODUCT PRESENT (Ft): — TO — WELL HEADSPACE READING IN ppm (PID/FID): ____
INTAKE DEPTH (Ft. BELOW TOC): 9.05

EQUIPMENT, METERS & METHODS UTILIZED:
____SUBMERSIBLE PUMP X BLADDER PUMP ____PERISTALTIC ____BAILER
____DOWN-HOLE METER X FLOW-THRU CELL 200 mL. ____OPEN CONTAINER AT SURFACE
____MICROTPW TURBIDIMETER X INTERFACE PROBE ____WL METER X YSI 556
X LOW-FLOW ____3 WELL VOLUMES ____WELL PURGED DRY 0.8 TOTAL VOL. PURGED (GAL.)
OTHER: VOC's + PAH's

Time	Temp. (°C)	Sp. Cond. ~~(mS/cm)~~ Or Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turbidity (NTU) Or (VIS.)	Rate (mL/Min)	DTW (Ft.)	Comments
11:28		Started Pumping				clear	70	4.77	DTW ↑ due to pump displacement.
11:45	16.81	1.205	0.80	6.85	47.3	↓	↓	6.32	Drawdown occurring
11:48	16.84	1.209	0.85	6.84	45.4	↓	↓	6.52	
11:51	16.85	1.213	0.86	6.83	46.4	↓	↓	6.80	Verified 70mL/min adjusted
11:54	17.46	1.223	0.84	6.82	48.2	↓	↓	7.09	slightly.
11:57	17.59	1.228	0.85	6.82	48.7	↓	↓	7.25	
12:00	17.68	1.232	0.84	6.82	50.3	↓	↓	7.39	
12:03	17.81	1.237	0.80	6.82	51.5	↓	↓	7.54	
	✓	✓	✓	✓	✓	✓	✓	✓	Stable
12:06	Sampled MW-7								

Sampling Observations: Cl, No T, No O, No S.
Well historically does not recharge properly.

APPENDIX B

Groundwater Analytical Results – Second Quarter 2024

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 01, 2024

Jeff Jacob
IWM Consulting
1015 Production Road
Fort Wayne, IN 46808

RE: Project: Burger Dairy IFA
Pace Project No.: 50373634

Dear Jeff Jacob:

Enclosed are the analytical results for sample(s) received by the laboratory on May 18, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

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

Sincerely,

Heather Patterson
heather.patterson@pacelabs.com
(317)228-3146
Project Manager

Enclosures

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Ohio VAP Certified Laboratory #: CL0065
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Burger Dairy IFA
Pace Project No.: 50373634

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50373634001	**MW-1**	Water	05/16/24 12:53	05/18/24 10:49
50373634002	**MW-2**	Water	05/16/24 16:17	05/18/24 10:49
50373634003	**MW-3**	Water	05/16/24 15:28	05/18/24 10:49
50373634004	**MW-4**	Water	05/16/24 10:52	05/18/24 10:49
50373634005	**MW-5**	Water	05/16/24 13:45	05/18/24 10:49
50373634006	**MW-6**	Water	05/16/24 14:37	05/18/24 10:49
50373634007	**MW-7**	Water	05/16/24 12:06	05/18/24 10:49
50373634008	**DUPW**	Water	05/16/24 08:00	05/18/24 10:49
50373634009	**TB**	Water	05/16/24 08:00	05/18/24 10:49

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Burger Dairy IFA
Pace Project No.: 50373634

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50373634001	**MW-1**	EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
50373634002	**MW-2**	EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
50373634003	**MW-3**	EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
50373634004	**MW-4**	EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
50373634005	**MW-5**	EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
50373634006	**MW-6**	EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
50373634007	**MW-7**	EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
50373634008	**DUPW**	EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
50373634009	**TB**	EPA 8260	TMW	72	PASI-I

PASI-I = Pace Analytical Services - Indianapolis

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Burger Dairy IFA
Pace Project No.: 50373634

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50373634002	**MW-2**					
EPA 8270 by SIM 40E	1-Methylnaphthalene	106	ug/L	1.0	05/22/24 02:51	
EPA 8270 by SIM 40E	2-Methylnaphthalene	153	ug/L	1.0	05/22/24 02:51	
EPA 8270 by SIM 40E	Naphthalene	443	ug/L	5.0	05/23/24 03:24	
EPA 8260	Benzene	25.3	ug/L	5.0	05/23/24 19:53	
EPA 8260	n-Butylbenzene	24.8	ug/L	5.0	05/23/24 19:53	
EPA 8260	sec-Butylbenzene	18.2	ug/L	5.0	05/23/24 19:53	
EPA 8260	Ethylbenzene	222	ug/L	5.0	05/23/24 19:53	
EPA 8260	n-Hexane	57.8	ug/L	5.0	05/23/24 19:53	
EPA 8260	Isopropylbenzene (Cumene)	127	ug/L	5.0	05/23/24 19:53	
EPA 8260	n-Propylbenzene	285	ug/L	5.0	05/23/24 19:53	
EPA 8260	Xylene (Total)	28.5	ug/L	10.0	05/23/24 19:53	
50373634003	**MW-3**					
EPA 8270 by SIM 40E	1-Methylnaphthalene	1.2	ug/L	1.0	05/22/24 03:02	
50373634007	**MW-7**					
EPA 8260	Methyl-tert-butyl ether	11.1	ug/L	4.0	05/24/24 07:15	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-1 **Lab ID: 50373634001** Collected: 05/16/24 12:53 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:40	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:40	208-96-8	
Anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:40	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:40	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:40	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:40	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:40	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:40	207-08-9	
Chrysene	ND	ug/L	0.50	1	05/21/24 16:34	05/22/24 02:40	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:40	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:40	206-44-0	
Fluorene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:40	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:40	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:40	90-12-0	
2-Methylnaphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:40	91-57-6	
Naphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:40	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:40	85-01-8	
Pyrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:40	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	97	%.	43-129	1	05/21/24 16:34	05/22/24 02:40	321-60-8	
p-Terphenyl-d14 (S)	133	%.	64-162	1	05/21/24 16:34	05/22/24 02:40	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/24/24 05:14	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/24/24 05:14	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/24/24 05:14	107-13-1	
Benzene	ND	ug/L	5.0	1		05/24/24 05:14	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/24/24 05:14	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/24/24 05:14	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/24 05:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/24 05:14	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/24 05:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/24 05:14	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/24/24 05:14	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/24/24 05:14	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/24/24 05:14	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/24/24 05:14	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/24 05:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/24 05:14	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/24 05:14	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/24 05:14	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/24 05:14	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/24/24 05:14	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/24/24 05:14	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/24 05:14	124-48-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-1 **Lab ID: 50373634001** Collected: 05/16/24 12:53 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/24 05:14	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/24/24 05:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 05:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 05:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 05:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/24/24 05:14	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/24 05:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/24 05:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/24 05:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/24 05:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/24 05:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/24 05:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/24 05:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/24/24 05:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/24/24 05:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/24/24 05:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/24 05:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/24 05:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/24 05:14	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/24/24 05:14	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/24/24 05:14	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/24/24 05:14	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/24/24 05:14	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/24/24 05:14	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/24 05:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/24/24 05:14	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/24/24 05:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/24 05:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/24 05:14	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		05/24/24 05:14	103-65-1	
Styrene	ND	ug/L	5.0	1		05/24/24 05:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/24 05:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/24 05:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/24 05:14	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/24 05:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/24/24 05:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/24 05:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/24 05:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/24 05:14	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/24 05:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/24 05:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/24/24 05:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/24/24 05:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/24/24 05:14	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/24/24 05:14	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/24/24 05:14	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-1 **Lab ID: 50373634001** Collected: 05/16/24 12:53 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Xylene (Total)	ND	ug/L	10.0	1		05/24/24 05:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	82-128	1		05/24/24 05:14	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-124	1		05/24/24 05:14	460-00-4	
Toluene-d8 (S)	94	%.	73-122	1		05/24/24 05:14	2037-26-5	

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ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-2 **Lab ID: 50373634002** Collected: 05/16/24 16:17 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:51	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:51	208-96-8	
Anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:51	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:51	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:51	207-08-9	
Chrysene	ND	ug/L	0.50	1	05/21/24 16:34	05/22/24 02:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:51	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:51	206-44-0	
Fluorene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 02:51	193-39-5	
1-Methylnaphthalene	**106**	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:51	90-12-0	
2-Methylnaphthalene	**153**	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:51	91-57-6	
Naphthalene	**443**	ug/L	5.0	5	05/21/24 16:34	05/23/24 03:24	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:51	85-01-8	
Pyrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 02:51	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	103	%.	43-129	1	05/21/24 16:34	05/22/24 02:51	321-60-8	
p-Terphenyl-d14 (S)	130	%.	64-162	1	05/21/24 16:34	05/22/24 02:51	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/23/24 19:53	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/23/24 19:53	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/23/24 19:53	107-13-1	
Benzene	**25.3**	ug/L	5.0	1		05/23/24 19:53	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/23/24 19:53	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/23/24 19:53	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/24 19:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/24 19:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/24 19:53	74-83-9	L1
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/24 19:53	78-93-3	
n-Butylbenzene	**24.8**	ug/L	5.0	1		05/23/24 19:53	104-51-8	
sec-Butylbenzene	**18.2**	ug/L	5.0	1		05/23/24 19:53	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/23/24 19:53	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/23/24 19:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/24 19:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/24 19:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/24 19:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/24 19:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/24 19:53	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/23/24 19:53	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/23/24 19:53	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/24 19:53	124-48-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-2 **Lab ID: 50373634002** Collected: 05/16/24 16:17 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/24 19:53	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/23/24 19:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 19:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 19:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 19:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/23/24 19:53	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/24 19:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/24 19:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/24 19:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/24 19:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/24 19:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/24 19:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/24 19:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/23/24 19:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/23/24 19:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/23/24 19:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/24 19:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/24 19:53	10061-02-6	
Ethylbenzene	**222**	ug/L	5.0	1		05/23/24 19:53	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/23/24 19:53	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/23/24 19:53	87-68-3	
n-Hexane	**57.8**	ug/L	5.0	1		05/23/24 19:53	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/23/24 19:53	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/23/24 19:53	74-88-4	L1
Isopropylbenzene (Cumene)	**127**	ug/L	5.0	1		05/23/24 19:53	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/23/24 19:53	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/23/24 19:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/24 19:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/24 19:53	1634-04-4	
n-Propylbenzene	**285**	ug/L	5.0	1		05/23/24 19:53	103-65-1	
Styrene	ND	ug/L	5.0	1		05/23/24 19:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/24 19:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/24 19:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/24 19:53	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/24 19:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/23/24 19:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/24 19:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/24 19:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/24 19:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/23/24 19:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/24 19:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/23/24 19:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/23/24 19:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/23/24 19:53	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/23/24 19:53	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/23/24 19:53	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-2 **Lab ID: 50373634002** Collected: 05/16/24 16:17 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Xylene (Total)	**28.5**	ug/L	10.0	1		05/23/24 19:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	82-128	1		05/23/24 19:53	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-124	1		05/23/24 19:53	460-00-4	
Toluene-d8 (S)	93	%.	73-122	1		05/23/24 19:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-3 **Lab ID: 50373634003** Collected: 05/16/24 15:28 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:02	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:02	208-96-8	
Anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:02	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:02	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:02	207-08-9	
Chrysene	ND	ug/L	0.50	1	05/21/24 16:34	05/22/24 03:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:02	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:02	206-44-0	
Fluorene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:02	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:02	193-39-5	
1-Methylnaphthalene	**1.2**	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:02	90-12-0	
2-Methylnaphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:02	91-57-6	
Naphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:02	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:02	85-01-8	
Pyrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:02	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	96	%.	43-129	1	05/21/24 16:34	05/22/24 03:02	321-60-8	
p-Terphenyl-d14 (S)	123	%.	64-162	1	05/21/24 16:34	05/22/24 03:02	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/23/24 20:23	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/23/24 20:23	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/23/24 20:23	107-13-1	
Benzene	ND	ug/L	5.0	1		05/23/24 20:23	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/23/24 20:23	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/23/24 20:23	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/24 20:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/24 20:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/24 20:23	74-83-9	L1
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/24 20:23	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/23/24 20:23	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/23/24 20:23	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/23/24 20:23	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/23/24 20:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/24 20:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/24 20:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/24 20:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/24 20:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/24 20:23	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/23/24 20:23	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/23/24 20:23	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/24 20:23	124-48-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-3 **Lab ID: 50373634003** Collected: 05/16/24 15:28 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/24 20:23	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/23/24 20:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 20:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 20:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 20:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/23/24 20:23	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/24 20:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/24 20:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/24 20:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/24 20:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/24 20:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/24 20:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/24 20:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/23/24 20:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/23/24 20:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/23/24 20:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/24 20:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/24 20:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/24 20:23	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/23/24 20:23	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/23/24 20:23	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/23/24 20:23	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/23/24 20:23	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/23/24 20:23	74-88-4	L1
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/24 20:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/23/24 20:23	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/23/24 20:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/24 20:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/24 20:23	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		05/23/24 20:23	103-65-1	
Styrene	ND	ug/L	5.0	1		05/23/24 20:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/24 20:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/24 20:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/24 20:23	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/24 20:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/23/24 20:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/24 20:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/24 20:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/24 20:23	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/23/24 20:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/24 20:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/23/24 20:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/23/24 20:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/23/24 20:23	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/23/24 20:23	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/23/24 20:23	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-3 **Lab ID: 50373634003** Collected: 05/16/24 15:28 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Xylene (Total)	ND	ug/L	10.0	1		05/23/24 20:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	82-128	1		05/23/24 20:23	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-124	1		05/23/24 20:23	460-00-4	
Toluene-d8 (S)	97	%.	73-122	1		05/23/24 20:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-4 **Lab ID: 50373634004** Collected: 05/16/24 10:52 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:13	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:13	208-96-8	
Anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:13	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:13	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:13	207-08-9	
Chrysene	ND	ug/L	0.50	1	05/21/24 16:34	05/22/24 03:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:13	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:13	206-44-0	
Fluorene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:13	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:13	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:13	90-12-0	
2-Methylnaphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:13	91-57-6	
Naphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:13	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:13	85-01-8	
Pyrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:13	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	105	%.	43-129	1	05/21/24 16:34	05/22/24 03:13	321-60-8	
p-Terphenyl-d14 (S)	123	%.	64-162	1	05/21/24 16:34	05/22/24 03:13	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/23/24 20:54	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/23/24 20:54	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/23/24 20:54	107-13-1	
Benzene	ND	ug/L	5.0	1		05/23/24 20:54	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/23/24 20:54	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/23/24 20:54	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/24 20:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/24 20:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/24 20:54	74-83-9	L1
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/24 20:54	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/23/24 20:54	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/23/24 20:54	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/23/24 20:54	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/23/24 20:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/24 20:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/24 20:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/24 20:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/24 20:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/24 20:54	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/23/24 20:54	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/23/24 20:54	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/24 20:54	124-48-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-4 **Lab ID: 50373634004** Collected: 05/16/24 10:52 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/24 20:54	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/23/24 20:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 20:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 20:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 20:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/23/24 20:54	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/24 20:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/24 20:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/24 20:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/24 20:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/24 20:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/24 20:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/24 20:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/23/24 20:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/23/24 20:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/23/24 20:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/24 20:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/24 20:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/24 20:54	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/23/24 20:54	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/23/24 20:54	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/23/24 20:54	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/23/24 20:54	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/23/24 20:54	74-88-4	L1
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/24 20:54	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/23/24 20:54	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/23/24 20:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/24 20:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/24 20:54	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		05/23/24 20:54	103-65-1	
Styrene	ND	ug/L	5.0	1		05/23/24 20:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/24 20:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/24 20:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/24 20:54	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/24 20:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/23/24 20:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/24 20:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/24 20:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/24 20:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/23/24 20:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/24 20:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/23/24 20:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/23/24 20:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/23/24 20:54	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/23/24 20:54	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/23/24 20:54	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-4 **Lab ID: 50373634004** Collected: 05/16/24 10:52 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Xylene (Total)	ND	ug/L	10.0	1		05/23/24 20:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	82-128	1		05/23/24 20:54	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	79-124	1		05/23/24 20:54	460-00-4	
Toluene-d8 (S)	97	%.	73-122	1		05/23/24 20:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Indianapolis, IN 46268
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ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-5 **Lab ID: 50373634005** Collected: 05/16/24 13:45 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:23	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:23	208-96-8	
Anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:23	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:23	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:23	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:23	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:23	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:23	207-08-9	
Chrysene	ND	ug/L	0.50	1	05/21/24 16:34	05/22/24 03:23	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:23	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:23	206-44-0	
Fluorene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:23	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:23	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:23	90-12-0	
2-Methylnaphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:23	91-57-6	
Naphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:23	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:23	85-01-8	
Pyrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:23	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	97	%.	43-129	1	05/21/24 16:34	05/22/24 03:23	321-60-8	
p-Terphenyl-d14 (S)	123	%.	64-162	1	05/21/24 16:34	05/22/24 03:23	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/23/24 21:24	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/23/24 21:24	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/23/24 21:24	107-13-1	
Benzene	ND	ug/L	5.0	1		05/23/24 21:24	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/23/24 21:24	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/23/24 21:24	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/24 21:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/24 21:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/24 21:24	74-83-9	L1
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/24 21:24	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/23/24 21:24	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/23/24 21:24	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/23/24 21:24	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/23/24 21:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/24 21:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/24 21:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/24 21:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/24 21:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/24 21:24	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/23/24 21:24	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/23/24 21:24	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/24 21:24	124-48-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-5 **Lab ID: 50373634005** Collected: 05/16/24 13:45 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/24 21:24	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/23/24 21:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 21:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 21:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/24 21:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/23/24 21:24	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/24 21:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/24 21:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/24 21:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/24 21:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/24 21:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/24 21:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/24 21:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/23/24 21:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/23/24 21:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/23/24 21:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/24 21:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/24 21:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/24 21:24	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/23/24 21:24	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/23/24 21:24	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/23/24 21:24	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/23/24 21:24	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/23/24 21:24	74-88-4	L1
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/24 21:24	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/23/24 21:24	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/23/24 21:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/24 21:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/24 21:24	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		05/23/24 21:24	103-65-1	
Styrene	ND	ug/L	5.0	1		05/23/24 21:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/24 21:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/24 21:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/24 21:24	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/24 21:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/23/24 21:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/24 21:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/24 21:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/24 21:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/23/24 21:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/24 21:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/23/24 21:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/23/24 21:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/23/24 21:24	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/23/24 21:24	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/23/24 21:24	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-5 **Lab ID: 50373634005** Collected: 05/16/24 13:45 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Xylene (Total)	ND	ug/L	10.0	1		05/23/24 21:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	82-128	1		05/23/24 21:24	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	79-124	1		05/23/24 21:24	460-00-4	
Toluene-d8 (S)	93	%.	73-122	1		05/23/24 21:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-6 **Lab ID: 50373634006** Collected: 05/16/24 14:37 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:34	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:34	208-96-8	
Anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:34	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:34	207-08-9	
Chrysene	ND	ug/L	0.50	1	05/21/24 16:34	05/22/24 03:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:34	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:34	206-44-0	
Fluorene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	05/21/24 16:34	05/22/24 03:34	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:34	90-12-0	
2-Methylnaphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:34	91-57-6	
Naphthalene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:34	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:34	85-01-8	
Pyrene	ND	ug/L	1.0	1	05/21/24 16:34	05/22/24 03:34	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	105	%.	43-129	1	05/21/24 16:34	05/22/24 03:34	321-60-8	
p-Terphenyl-d14 (S)	128	%.	64-162	1	05/21/24 16:34	05/22/24 03:34	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/24/24 06:45	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/24/24 06:45	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/24/24 06:45	107-13-1	
Benzene	ND	ug/L	5.0	1		05/24/24 06:45	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/24/24 06:45	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/24/24 06:45	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/24 06:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/24 06:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/24 06:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/24 06:45	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/24/24 06:45	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/24/24 06:45	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/24/24 06:45	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/24/24 06:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/24 06:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/24 06:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/24 06:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/24 06:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/24 06:45	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/24/24 06:45	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/24/24 06:45	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/24 06:45	124-48-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-6 **Lab ID: 50373634006** Collected: 05/16/24 14:37 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/24 06:45	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/24/24 06:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 06:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 06:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 06:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/24/24 06:45	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/24 06:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/24 06:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/24 06:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/24 06:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/24 06:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/24 06:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/24 06:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/24/24 06:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/24/24 06:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/24/24 06:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/24 06:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/24 06:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/24 06:45	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/24/24 06:45	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/24/24 06:45	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/24/24 06:45	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/24/24 06:45	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/24/24 06:45	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/24 06:45	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/24/24 06:45	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/24/24 06:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/24 06:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/24 06:45	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		05/24/24 06:45	103-65-1	
Styrene	ND	ug/L	5.0	1		05/24/24 06:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/24 06:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/24 06:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/24 06:45	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/24 06:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/24/24 06:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/24 06:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/24 06:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/24 06:45	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/24 06:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/24 06:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/24/24 06:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/24/24 06:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/24/24 06:45	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/24/24 06:45	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/24/24 06:45	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-6 **Lab ID: 50373634006** Collected: 05/16/24 14:37 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Xylene (Total)	ND	ug/L	10.0	1		05/24/24 06:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	82-128	1		05/24/24 06:45	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	79-124	1		05/24/24 06:45	460-00-4	
Toluene-d8 (S)	91	%.	73-122	1		05/24/24 06:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-7 **Lab ID: 50373634007** Collected: 05/16/24 12:06 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:18	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:18	208-96-8	
Anthracene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:18	207-08-9	
Chrysene	ND	ug/L	0.50	1	05/23/24 16:18	05/23/24 19:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:18	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:18	206-44-0	
Fluorene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:18	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:18	90-12-0	
2-Methylnaphthalene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:18	91-57-6	
Naphthalene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:18	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:18	85-01-8	
Pyrene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:18	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	83	%.	43-129	1	05/23/24 16:18	05/23/24 19:18	321-60-8	
p-Terphenyl-d14 (S)	131	%.	64-162	1	05/23/24 16:18	05/23/24 19:18	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/24/24 07:15	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/24/24 07:15	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/24/24 07:15	107-13-1	
Benzene	ND	ug/L	5.0	1		05/24/24 07:15	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/24/24 07:15	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/24/24 07:15	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/24 07:15	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/24 07:15	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/24 07:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/24 07:15	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/24/24 07:15	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/24/24 07:15	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/24/24 07:15	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/24/24 07:15	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/24 07:15	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/24 07:15	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/24 07:15	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/24 07:15	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/24 07:15	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/24/24 07:15	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/24/24 07:15	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/24 07:15	124-48-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-7 **Lab ID: 50373634007** Collected: 05/16/24 12:06 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/24 07:15	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/24/24 07:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 07:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 07:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 07:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/24/24 07:15	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/24 07:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/24 07:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/24 07:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/24 07:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/24 07:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/24 07:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/24 07:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/24/24 07:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/24/24 07:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/24/24 07:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/24 07:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/24 07:15	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/24 07:15	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/24/24 07:15	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/24/24 07:15	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/24/24 07:15	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/24/24 07:15	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/24/24 07:15	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/24 07:15	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/24/24 07:15	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/24/24 07:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/24 07:15	108-10-1	
Methyl-tert-butyl ether	**11.1**	ug/L	4.0	1		05/24/24 07:15	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		05/24/24 07:15	103-65-1	
Styrene	ND	ug/L	5.0	1		05/24/24 07:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/24 07:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/24 07:15	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/24 07:15	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/24 07:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/24/24 07:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/24 07:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/24 07:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/24 07:15	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/24 07:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/24 07:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/24/24 07:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/24/24 07:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/24/24 07:15	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/24/24 07:15	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/24/24 07:15	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: MW-7 **Lab ID: 50373634007** Collected: 05/16/24 12:06 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Xylene (Total)	ND	ug/L	10.0	1		05/24/24 07:15	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	82-128	1		05/24/24 07:15	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	79-124	1		05/24/24 07:15	460-00-4	
Toluene-d8 (S)	91	%.	73-122	1		05/24/24 07:15	2037-26-5	

Pace Analytical Services, LLC
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(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: DUPW **Lab ID: 50373634008** Collected: 05/16/24 08:00 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:29	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:29	208-96-8	
Anthracene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:29	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:29	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:29	207-08-9	
Chrysene	ND	ug/L	0.50	1	05/23/24 16:18	05/23/24 19:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:29	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:29	206-44-0	
Fluorene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	05/23/24 16:18	05/23/24 19:29	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:29	90-12-0	
2-Methylnaphthalene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:29	91-57-6	
Naphthalene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:29	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:29	85-01-8	
Pyrene	ND	ug/L	1.0	1	05/23/24 16:18	05/23/24 19:29	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	82	%.	43-129	1	05/23/24 16:18	05/23/24 19:29	321-60-8	
p-Terphenyl-d14 (S)	115	%.	64-162	1	05/23/24 16:18	05/23/24 19:29	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/24/24 07:46	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/24/24 07:46	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/24/24 07:46	107-13-1	
Benzene	ND	ug/L	5.0	1		05/24/24 07:46	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/24/24 07:46	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/24/24 07:46	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/24 07:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/24 07:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/24 07:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/24 07:46	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/24/24 07:46	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/24/24 07:46	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/24/24 07:46	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/24/24 07:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/24 07:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/24 07:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/24 07:46	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/24 07:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/24 07:46	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/24/24 07:46	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/24/24 07:46	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/24 07:46	124-48-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: DUPW **Lab ID: 50373634008** Collected: 05/16/24 08:00 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/24 07:46	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/24/24 07:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 07:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 07:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 07:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/24/24 07:46	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/24 07:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/24 07:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/24 07:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/24 07:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/24 07:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/24 07:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/24 07:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/24/24 07:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/24/24 07:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/24/24 07:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/24 07:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/24 07:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/24 07:46	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/24/24 07:46	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/24/24 07:46	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/24/24 07:46	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/24/24 07:46	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/24/24 07:46	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/24 07:46	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/24/24 07:46	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/24/24 07:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/24 07:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/24 07:46	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		05/24/24 07:46	103-65-1	
Styrene	ND	ug/L	5.0	1		05/24/24 07:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/24 07:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/24 07:46	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/24 07:46	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/24 07:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/24/24 07:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/24 07:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/24 07:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/24 07:46	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/24 07:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/24 07:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/24/24 07:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/24/24 07:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/24/24 07:46	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/24/24 07:46	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/24/24 07:46	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: DUPW **Lab ID: 50373634008** Collected: 05/16/24 08:00 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Xylene (Total)	ND	ug/L	10.0	1		05/24/24 07:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	82-128	1		05/24/24 07:46	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	79-124	1		05/24/24 07:46	460-00-4	
Toluene-d8 (S)	93	%.	73-122	1		05/24/24 07:46	2037-26-5	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: TB **Lab ID: 50373634009** Collected: 05/16/24 08:00 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/24/24 08:16	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/24/24 08:16	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/24/24 08:16	107-13-1	
Benzene	ND	ug/L	5.0	1		05/24/24 08:16	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/24/24 08:16	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/24/24 08:16	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/24 08:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/24 08:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/24 08:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/24 08:16	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/24/24 08:16	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/24/24 08:16	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/24/24 08:16	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/24/24 08:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/24 08:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/24 08:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/24 08:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/24 08:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/24 08:16	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/24/24 08:16	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/24/24 08:16	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/24 08:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/24 08:16	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/24/24 08:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 08:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 08:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/24 08:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/24/24 08:16	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/24 08:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/24 08:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/24 08:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/24 08:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/24 08:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/24 08:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/24 08:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/24/24 08:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/24/24 08:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/24/24 08:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/24 08:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/24 08:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/24 08:16	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/24/24 08:16	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/24/24 08:16	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/24/24 08:16	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/24/24 08:16	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/24/24 08:16	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Burger Dairy IFA
Pace Project No.: 50373634

Sample: TB **Lab ID: 50373634009** Collected: 05/16/24 08:00 Received: 05/18/24 10:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/24 08:16	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/24/24 08:16	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/24/24 08:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/24 08:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/24 08:16	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		05/24/24 08:16	103-65-1	
Styrene	ND	ug/L	5.0	1		05/24/24 08:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/24 08:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/24 08:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/24 08:16	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/24 08:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/24/24 08:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/24 08:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/24 08:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/24 08:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/24 08:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/24 08:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/24/24 08:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/24/24 08:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/24/24 08:16	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/24/24 08:16	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/24/24 08:16	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		05/24/24 08:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	82-128	1		05/24/24 08:16	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-124	1		05/24/24 08:16	460-00-4	
Toluene-d8 (S)	91	%.	73-122	1		05/24/24 08:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

QC Batch: 791731
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373634001, 50373634006, 50373634007, 50373634008, 50373634009

METHOD BLANK: 3622943 Matrix: Water
Associated Lab Samples: 50373634001, 50373634006, 50373634007, 50373634008, 50373634009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	05/23/24 23:40	
1,1,1-Trichloroethane	ug/L	ND	5.0	05/23/24 23:40	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/23/24 23:40	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/23/24 23:40	
1,1-Dichloroethane	ug/L	ND	5.0	05/23/24 23:40	
1,1-Dichloroethene	ug/L	ND	5.0	05/23/24 23:40	
1,1-Dichloropropene	ug/L	ND	5.0	05/23/24 23:40	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	05/23/24 23:40	
1,2,3-Trichloropropane	ug/L	ND	5.0	05/23/24 23:40	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/23/24 23:40	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	05/23/24 23:40	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/23/24 23:40	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/23/24 23:40	
1,2-Dichloroethane	ug/L	ND	5.0	05/23/24 23:40	
1,2-Dichloropropane	ug/L	ND	5.0	05/23/24 23:40	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	05/23/24 23:40	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/23/24 23:40	
1,3-Dichloropropane	ug/L	ND	5.0	05/23/24 23:40	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/23/24 23:40	
2,2-Dichloropropane	ug/L	ND	5.0	05/23/24 23:40	
2-Butanone (MEK)	ug/L	ND	25.0	05/23/24 23:40	
2-Chlorotoluene	ug/L	ND	5.0	05/23/24 23:40	
2-Hexanone	ug/L	ND	25.0	05/23/24 23:40	
4-Chlorotoluene	ug/L	ND	5.0	05/23/24 23:40	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/23/24 23:40	
Acetone	ug/L	ND	100	05/23/24 23:40	
Acrolein	ug/L	ND	50.0	05/23/24 23:40	
Acrylonitrile	ug/L	ND	100	05/23/24 23:40	
Benzene	ug/L	ND	5.0	05/23/24 23:40	
Bromobenzene	ug/L	ND	5.0	05/23/24 23:40	
Bromochloromethane	ug/L	ND	5.0	05/23/24 23:40	
Bromodichloromethane	ug/L	ND	5.0	05/23/24 23:40	
Bromoform	ug/L	ND	5.0	05/23/24 23:40	
Bromomethane	ug/L	ND	5.0	05/23/24 23:40	
Carbon disulfide	ug/L	ND	10.0	05/23/24 23:40	
Carbon tetrachloride	ug/L	ND	5.0	05/23/24 23:40	
Chlorobenzene	ug/L	ND	5.0	05/23/24 23:40	
Chloroethane	ug/L	ND	5.0	05/23/24 23:40	
Chloroform	ug/L	ND	5.0	05/23/24 23:40	
Chloromethane	ug/L	ND	5.0	05/23/24 23:40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

METHOD BLANK: 3622943 Matrix: Water
Associated Lab Samples: 50373634001, 50373634006, 50373634007, 50373634008, 50373634009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/23/24 23:40	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/23/24 23:40	
Dibromochloromethane	ug/L	ND	5.0	05/23/24 23:40	
Dibromomethane	ug/L	ND	5.0	05/23/24 23:40	
Dichlorodifluoromethane	ug/L	ND	5.0	05/23/24 23:40	
Ethyl methacrylate	ug/L	ND	100	05/23/24 23:40	
Ethylbenzene	ug/L	ND	5.0	05/23/24 23:40	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/23/24 23:40	
Iodomethane	ug/L	ND	10.0	05/23/24 23:40	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/23/24 23:40	
Methyl-tert-butyl ether	ug/L	ND	4.0	05/23/24 23:40	
Methylene Chloride	ug/L	ND	5.0	05/23/24 23:40	
n-Butylbenzene	ug/L	ND	5.0	05/23/24 23:40	
n-Hexane	ug/L	ND	5.0	05/23/24 23:40	
n-Propylbenzene	ug/L	ND	5.0	05/23/24 23:40	
p-Isopropyltoluene	ug/L	ND	5.0	05/23/24 23:40	
sec-Butylbenzene	ug/L	ND	5.0	05/23/24 23:40	
Styrene	ug/L	ND	5.0	05/23/24 23:40	
tert-Butylbenzene	ug/L	ND	5.0	05/23/24 23:40	
Tetrachloroethene	ug/L	ND	5.0	05/23/24 23:40	
Toluene	ug/L	ND	5.0	05/23/24 23:40	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/23/24 23:40	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/23/24 23:40	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	05/23/24 23:40	
Trichloroethene	ug/L	ND	5.0	05/23/24 23:40	
Trichlorofluoromethane	ug/L	ND	5.0	05/23/24 23:40	
Vinyl acetate	ug/L	ND	50.0	05/23/24 23:40	
Vinyl chloride	ug/L	ND	2.0	05/23/24 23:40	
Xylene (Total)	ug/L	ND	10.0	05/23/24 23:40	
4-Bromofluorobenzene (S)	%.	98	79-124	05/23/24 23:40	
Dibromofluoromethane (S)	%.	95	82-128	05/23/24 23:40	
Toluene-d8 (S)	%.	95	73-122	05/23/24 23:40	

LABORATORY CONTROL SAMPLE: 3622944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.3	115	81-130	
1,1,1-Trichloroethane	ug/L	50	56.3	113	71-126	
1,1,2,2-Tetrachloroethane	ug/L	50	51.7	103	70-126	
1,1,2-Trichloroethane	ug/L	50	55.0	110	79-125	
1,1-Dichloroethane	ug/L	50	52.9	106	79-120	
1,1-Dichloroethene	ug/L	50	55.1	110	71-130	
1,1-Dichloropropene	ug/L	50	56.1	112	78-144	
1,2,3-Trichlorobenzene	ug/L	50	52.2	104	57-146	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

LABORATORY CONTROL SAMPLE: 3622944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	53.1	106	74-127	
1,2,4-Trichlorobenzene	ug/L	50	49.4	99	62-136	
1,2,4-Trimethylbenzene	ug/L	50	49.3	99	69-120	
1,2-Dibromoethane (EDB)	ug/L	50	59.9	120	80-120	
1,2-Dichlorobenzene	ug/L	50	51.6	103	79-123	
1,2-Dichloroethane	ug/L	50	54.5	109	72-123	
1,2-Dichloropropane	ug/L	50	54.1	108	76-125	
1,3,5-Trimethylbenzene	ug/L	50	49.2	98	71-120	
1,3-Dichlorobenzene	ug/L	50	50.5	101	78-117	
1,3-Dichloropropane	ug/L	50	55.9	112	77-126	
1,4-Dichlorobenzene	ug/L	50	50.6	101	79-116	
2,2-Dichloropropane	ug/L	50	51.5	103	48-138	
2-Butanone (MEK)	ug/L	250	240	96	67-135	
2-Chlorotoluene	ug/L	50	48.9	98	75-122	
2-Hexanone	ug/L	250	243	97	65-135	
4-Chlorotoluene	ug/L	50	51.8	104	77-120	
4-Methyl-2-pentanone (MIBK)	ug/L	250	275	110	69-136	
Acetone	ug/L	250	172	69	34-156	
Acrolein	ug/L	1000	926	93	59-191	
Acrylonitrile	ug/L	250	281	112	67-146	
Benzene	ug/L	50	55.3	111	76-122	
Bromobenzene	ug/L	50	51.0	102	75-121	
Bromochloromethane	ug/L	50	55.3	111	73-119	
Bromodichloromethane	ug/L	50	58.7	117	80-126	
Bromoform	ug/L	50	56.4	113	77-124	
Bromomethane	ug/L	50	60.5	121	10-175	
Carbon disulfide	ug/L	50	48.7	97	69-121	
Carbon tetrachloride	ug/L	50	56.4	113	73-127	
Chlorobenzene	ug/L	50	54.9	110	76-118	
Chloroethane	ug/L	50	50.5	101	36-162	
Chloroform	ug/L	50	55.4	111	78-121	
Chloromethane	ug/L	50	44.1	88	37-143	
cis-1,2-Dichloroethene	ug/L	50	56.5	113	77-123	
cis-1,3-Dichloropropene	ug/L	50	57.6	115	76-132	
Dibromochloromethane	ug/L	50	59.4	119	79-130	
Dibromomethane	ug/L	50	58.9	118	79-124	
Dichlorodifluoromethane	ug/L	50	26.5	53	29-126	
Ethyl methacrylate	ug/L	50	57.9J	116	78-137	
Ethylbenzene	ug/L	50	53.5	107	76-120	
Hexachloro-1,3-butadiene	ug/L	50	50.6	101	60-131	
Iodomethane	ug/L	50	65.0	130	10-148	
Isopropylbenzene (Cumene)	ug/L	50	53.3	107	71-124	
Methyl-tert-butyl ether	ug/L	50	55.7	111	71-121	
Methylene Chloride	ug/L	50	58.3	117	71-121	
n-Butylbenzene	ug/L	50	49.2	98	68-131	
n-Hexane	ug/L	50	40.6	81	51-126	
n-Propylbenzene	ug/L	50	49.1	98	67-127	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

LABORATORY CONTROL SAMPLE: 3622944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	50.3	101	72-124	
sec-Butylbenzene	ug/L	50	51.5	103	71-126	
Styrene	ug/L	50	53.3	107	80-121	
tert-Butylbenzene	ug/L	50	52.0	104	71-128	
Tetrachloroethene	ug/L	50	53.5	107	71-122	
Toluene	ug/L	50	53.7	107	74-118	
trans-1,2-Dichloroethene	ug/L	50	55.5	111	75-122	
trans-1,3-Dichloropropene	ug/L	50	56.2	112	77-126	
trans-1,4-Dichloro-2-butene	ug/L	50	50J	100	53-136	
Trichloroethene	ug/L	50	54.9	110	74-125	
Trichlorofluoromethane	ug/L	50	49.0	98	64-138	
Vinyl acetate	ug/L	200	258	129	74-154	
Vinyl chloride	ug/L	50	45.2	90	55-139	
Xylene (Total)	ug/L	150	156	104	73-119	
4-Bromofluorobenzene (S)	%.			94	79-124	
Dibromofluoromethane (S)	%.			102	82-128	
Toluene-d8 (S)	%.			97	73-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622945 3622946

Parameter	Units	50373634001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	54.2	56.7	108	113	47-139	5	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	51.4	55.3	103	111	47-145	7	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	52.6	53.1	105	106	49-133	1	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	53.3	54.5	107	109	52-136	2	20	
1,1-Dichloroethane	ug/L	ND	50	50	51.1	53.2	102	106	52-137	4	20	
1,1-Dichloroethene	ug/L	ND	50	50	55.0	59.7	110	119	53-144	8	20	
1,1-Dichloropropene	ug/L	ND	50	50	53.5	56.9	107	114	49-150	6	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	48.5	48.7	97	97	20-153	0	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	53.4	54.5	107	109	47-134	2	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	43.5	44.4	87	89	23-141	2	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	46.6	48.5	93	97	41-131	4	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	57.5	59.9	115	120	55-133	4	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	48.7	51.9	97	104	43-133	6	20	
1,2-Dichloroethane	ug/L	ND	50	50	52.6	53.7	105	107	50-138	2	20	
1,2-Dichloropropane	ug/L	ND	50	50	53.5	55.4	107	111	54-139	4	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	47.6	50.0	95	100	39-133	5	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	48.4	49.5	97	99	41-131	2	20	
1,3-Dichloropropane	ug/L	ND	50	50	54.7	54.6	109	109	50-136	0	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	47.5	48.9	95	98	41-131	3	20	
2,2-Dichloropropane	ug/L	ND	50	50	47.1	50.0	94	100	17-141	6	20	
2-Butanone (MEK)	ug/L	ND	250	250	226	238	90	95	45-138	5	20	
2-Chlorotoluene	ug/L	ND	50	50	47.1	50.2	94	100	36-141	6	20	
2-Hexanone	ug/L	ND	250	250	230	232	92	93	45-135	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622945 3622946

Parameter	Units	50373634001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Chlorotoluene	ug/L	ND	50	50	49.3	52.0	99	104	38-134	5	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	259	257	104	103	46-138	1	20	
Acetone	ug/L	ND	250	250	183	195	73	78	25-151	6	20	
Acrolein	ug/L	ND	1000	1000	815	812	81	81	36-168	0	20	
Acrylonitrile	ug/L	ND	250	250	278	304	111	122	47-147	9	20	
Benzene	ug/L	ND	50	50	53.4	55.6	107	111	53-138	4	20	
Bromobenzene	ug/L	ND	50	50	49.4	51.2	99	102	47-130	4	20	
Bromochloromethane	ug/L	ND	50	50	50.8	52.7	102	105	52-130	4	20	
Bromodichloromethane	ug/L	ND	50	50	56.0	58.1	112	116	50-146	4	20	
Bromoform	ug/L	ND	50	50	54.8	55.8	110	112	45-132	2	20	
Bromomethane	ug/L	ND	50	50	58.3	60.8	117	122	10-173	4	20	
Carbon disulfide	ug/L	ND	50	50	48.1	50.1	96	100	47-133	4	20	
Carbon tetrachloride	ug/L	ND	50	50	52.6	55.5	105	111	43-148	5	20	
Chlorobenzene	ug/L	ND	50	50	51.5	53.2	103	106	52-131	3	20	
Chloroethane	ug/L	ND	50	50	49.3	53.0	99	106	25-169	7	20	
Chloroform	ug/L	ND	50	50	53.8	55.3	108	111	54-138	3	20	
Chloromethane	ug/L	ND	50	50	42.4	44.1	85	88	33-137	4	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	53.8	55.9	108	112	50-141	4	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	53.6	53.9	107	108	47-135	1	20	
Dibromochloromethane	ug/L	ND	50	50	56.1	58.0	112	116	48-139	3	20	
Dibromomethane	ug/L	ND	50	50	56.4	60.6	113	121	51-141	7	20	
Dichlorodifluoromethane	ug/L	ND	50	50	23.3	23.3	47	47	15-130	0	20	
Ethyl methacrylate	ug/L	ND	50	50	58.3J	57.7J	117	115	51-142		20	
Ethylbenzene	ug/L	ND	50	50	50.7	54.6	101	109	50-136	7	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	45.2	46.1	90	92	15-141	2	20	
Iodomethane	ug/L	ND	50	50	67.0	70.5	134	141	10-145	5	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	51.7	54.3	103	109	46-137	5	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	53.0	59.2	105	117	47-135	11	20	
Methylene Chloride	ug/L	ND	50	50	55.4	59.3	111	119	48-131	7	20	
n-Butylbenzene	ug/L	ND	50	50	44.7	44.8	89	90	30-138	0	20	
n-Hexane	ug/L	ND	50	50	37.2	40.5	74	81	35-137	9	20	
n-Propylbenzene	ug/L	ND	50	50	49.1	50.4	98	101	37-135	3	20	
p-Isopropyltoluene	ug/L	ND	50	50	47.9	48.1	96	96	35-136	1	20	
sec-Butylbenzene	ug/L	ND	50	50	49.7	50.9	99	102	36-137	2	20	
Styrene	ug/L	ND	50	50	52.1	53.3	104	107	46-136	2	20	
tert-Butylbenzene	ug/L	ND	50	50	50.8	52.4	102	105	40-137	3	20	
Tetrachloroethene	ug/L	ND	50	50	51.5	52.0	103	104	44-138	1	20	
Toluene	ug/L	ND	50	50	50.9	53.1	102	106	52-132	4	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	50.5	57.4	101	115	50-137	13	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	52.2	53.2	104	106	46-130	2	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	44.1J	45.1J	88	90	24-134		20	
Trichloroethene	ug/L	ND	50	50	51.5	53.9	103	108	49-140	5	20	
Trichlorofluoromethane	ug/L	ND	50	50	48.1	50.2	96	100	44-153	4	20	
Vinyl acetate	ug/L	ND	200	200	195	197	97	99	32-142	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622945 3622946

Parameter	Units	50373634001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vinyl chloride	ug/L	ND	50	50	44.0	45.4	88	91	41-147	3	20	
Xylene (Total)	ug/L	ND	150	150	153	156	102	104	44-138	2	20	
4-Bromofluorobenzene (S)	%.						95	95	79-124			
Dibromofluoromethane (S)	%.						100	102	82-128			
Toluene-d8 (S)	%.						93	96	73-122			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

QC Batch: 791736
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373634002, 50373634003, 50373634004, 50373634005

METHOD BLANK: 3622959 Matrix: Water
Associated Lab Samples: 50373634002, 50373634003, 50373634004, 50373634005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	05/23/24 11:48	
1,1,1-Trichloroethane	ug/L	ND	5.0	05/23/24 11:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/23/24 11:48	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/23/24 11:48	
1,1-Dichloroethane	ug/L	ND	5.0	05/23/24 11:48	
1,1-Dichloroethene	ug/L	ND	5.0	05/23/24 11:48	
1,1-Dichloropropene	ug/L	ND	5.0	05/23/24 11:48	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	05/23/24 11:48	
1,2,3-Trichloropropane	ug/L	ND	5.0	05/23/24 11:48	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/23/24 11:48	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	05/23/24 11:48	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/23/24 11:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/23/24 11:48	
1,2-Dichloroethane	ug/L	ND	5.0	05/23/24 11:48	
1,2-Dichloropropane	ug/L	ND	5.0	05/23/24 11:48	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	05/23/24 11:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/23/24 11:48	
1,3-Dichloropropane	ug/L	ND	5.0	05/23/24 11:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/23/24 11:48	
2,2-Dichloropropane	ug/L	ND	5.0	05/23/24 11:48	
2-Butanone (MEK)	ug/L	ND	25.0	05/23/24 11:48	
2-Chlorotoluene	ug/L	ND	5.0	05/23/24 11:48	
2-Hexanone	ug/L	ND	25.0	05/23/24 11:48	
4-Chlorotoluene	ug/L	ND	5.0	05/23/24 11:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/23/24 11:48	
Acetone	ug/L	ND	100	05/23/24 11:48	
Acrolein	ug/L	ND	50.0	05/23/24 11:48	
Acrylonitrile	ug/L	ND	100	05/23/24 11:48	
Benzene	ug/L	ND	5.0	05/23/24 11:48	
Bromobenzene	ug/L	ND	5.0	05/23/24 11:48	
Bromochloromethane	ug/L	ND	5.0	05/23/24 11:48	
Bromodichloromethane	ug/L	ND	5.0	05/23/24 11:48	
Bromoform	ug/L	ND	5.0	05/23/24 11:48	
Bromomethane	ug/L	ND	5.0	05/23/24 11:48	
Carbon disulfide	ug/L	ND	10.0	05/23/24 11:48	
Carbon tetrachloride	ug/L	ND	5.0	05/23/24 11:48	
Chlorobenzene	ug/L	ND	5.0	05/23/24 11:48	
Chloroethane	ug/L	ND	5.0	05/23/24 11:48	
Chloroform	ug/L	ND	5.0	05/23/24 11:48	
Chloromethane	ug/L	ND	5.0	05/23/24 11:48	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

METHOD BLANK: 3622959 Matrix: Water
Associated Lab Samples: 50373634002, 50373634003, 50373634004, 50373634005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/23/24 11:48	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/23/24 11:48	
Dibromochloromethane	ug/L	ND	5.0	05/23/24 11:48	
Dibromomethane	ug/L	ND	5.0	05/23/24 11:48	
Dichlorodifluoromethane	ug/L	ND	5.0	05/23/24 11:48	
Ethyl methacrylate	ug/L	ND	100	05/23/24 11:48	
Ethylbenzene	ug/L	ND	5.0	05/23/24 11:48	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/23/24 11:48	
Iodomethane	ug/L	ND	10.0	05/23/24 11:48	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/23/24 11:48	
Methyl-tert-butyl ether	ug/L	ND	4.0	05/23/24 11:48	
Methylene Chloride	ug/L	ND	5.0	05/23/24 11:48	
n-Butylbenzene	ug/L	ND	5.0	05/23/24 11:48	
n-Hexane	ug/L	ND	5.0	05/23/24 11:48	
n-Propylbenzene	ug/L	ND	5.0	05/23/24 11:48	
p-Isopropyltoluene	ug/L	ND	5.0	05/23/24 11:48	
sec-Butylbenzene	ug/L	ND	5.0	05/23/24 11:48	
Styrene	ug/L	ND	5.0	05/23/24 11:48	
tert-Butylbenzene	ug/L	ND	5.0	05/23/24 11:48	
Tetrachloroethene	ug/L	ND	5.0	05/23/24 11:48	
Toluene	ug/L	ND	5.0	05/23/24 11:48	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/23/24 11:48	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/23/24 11:48	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	05/23/24 11:48	
Trichloroethene	ug/L	ND	5.0	05/23/24 11:48	
Trichlorofluoromethane	ug/L	ND	5.0	05/23/24 11:48	
Vinyl acetate	ug/L	ND	50.0	05/23/24 11:48	
Vinyl chloride	ug/L	ND	2.0	05/23/24 11:48	
Xylene (Total)	ug/L	ND	10.0	05/23/24 11:48	
4-Bromofluorobenzene (S)	%.	98	79-124	05/23/24 11:48	
Dibromofluoromethane (S)	%.	96	82-128	05/23/24 11:48	
Toluene-d8 (S)	%.	97	73-122	05/23/24 11:48	

LABORATORY CONTROL SAMPLE: 3622960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.5	113	81-130	
1,1,1-Trichloroethane	ug/L	50	54.3	109	71-126	
1,1,2,2-Tetrachloroethane	ug/L	50	49.8	100	70-126	
1,1,2-Trichloroethane	ug/L	50	51.9	104	79-125	
1,1-Dichloroethane	ug/L	50	51.5	103	79-120	
1,1-Dichloroethene	ug/L	50	55.8	112	71-130	
1,1-Dichloropropene	ug/L	50	55.9	112	78-144	
1,2,3-Trichlorobenzene	ug/L	50	56.8	114	57-146	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

LABORATORY CONTROL SAMPLE: 3622960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	50.9	102	74-127	
1,2,4-Trichlorobenzene	ug/L	50	59.3	119	62-136	
1,2,4-Trimethylbenzene	ug/L	50	53.8	108	69-120	
1,2-Dibromoethane (EDB)	ug/L	50	54.8	110	80-120	
1,2-Dichlorobenzene	ug/L	50	55.9	112	79-123	
1,2-Dichloroethane	ug/L	50	50.6	101	72-123	
1,2-Dichloropropane	ug/L	50	52.7	105	76-125	
1,3,5-Trimethylbenzene	ug/L	50	55.2	110	71-120	
1,3-Dichlorobenzene	ug/L	50	55.6	111	78-117	
1,3-Dichloropropane	ug/L	50	50.9	102	77-126	
1,4-Dichlorobenzene	ug/L	50	56.0	112	79-116	
2,2-Dichloropropane	ug/L	50	56.3	113	48-138	
2-Butanone (MEK)	ug/L	250	206	82	67-135	
2-Chlorotoluene	ug/L	50	52.3	105	75-122	
2-Hexanone	ug/L	250	230	92	65-135	
4-Chlorotoluene	ug/L	50	56.9	114	77-120	
4-Methyl-2-pentanone (MIBK)	ug/L	250	234	94	69-136	
Acetone	ug/L	250	210	84	34-156	
Acrolein	ug/L	1000	1060	106	59-191	
Acrylonitrile	ug/L	250	246	99	67-146	
Benzene	ug/L	50	56.6	113	76-122	
Bromobenzene	ug/L	50	54.0	108	75-121	
Bromochloromethane	ug/L	50	50.4	101	73-119	
Bromodichloromethane	ug/L	50	56.6	113	80-126	
Bromoform	ug/L	50	53.0	106	77-124	
Bromomethane	ug/L	50	95.3	191	10-175	L1
Carbon disulfide	ug/L	50	49.2	98	69-121	
Carbon tetrachloride	ug/L	50	56.3	113	73-127	
Chlorobenzene	ug/L	50	54.1	108	76-118	
Chloroethane	ug/L	50	59.2	118	36-162	
Chloroform	ug/L	50	54.6	109	78-121	
Chloromethane	ug/L	50	55.5	111	37-143	
cis-1,2-Dichloroethene	ug/L	50	58.4	117	77-123	
cis-1,3-Dichloropropene	ug/L	50	55.7	111	76-132	
Dibromochloromethane	ug/L	50	54.3	109	79-130	
Dibromomethane	ug/L	50	56.3	113	79-124	
Dichlorodifluoromethane	ug/L	50	29.5	59	29-126	
Ethyl methacrylate	ug/L	50	53.2J	106	78-137	
Ethylbenzene	ug/L	50	58.5	117	76-120	
Hexachloro-1,3-butadiene	ug/L	50	58.3	117	60-131	
Iodomethane	ug/L	50	90.3	181	10-148	L1
Isopropylbenzene (Cumene)	ug/L	50	56.9	114	71-124	
Methyl-tert-butyl ether	ug/L	50	50.4	101	71-121	
Methylene Chloride	ug/L	50	54.1	108	71-121	
n-Butylbenzene	ug/L	50	57.1	114	68-131	
n-Hexane	ug/L	50	41.4	83	51-126	
n-Propylbenzene	ug/L	50	54.1	108	67-127	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

LABORATORY CONTROL SAMPLE: 3622960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	55.4	111	72-124	
sec-Butylbenzene	ug/L	50	56.2	112	71-126	
Styrene	ug/L	50	55.3	111	80-121	
tert-Butylbenzene	ug/L	50	55.2	110	71-128	
Tetrachloroethene	ug/L	50	56.9	114	71-122	
Toluene	ug/L	50	53.0	106	74-118	
trans-1,2-Dichloroethene	ug/L	50	54.5	109	75-122	
trans-1,3-Dichloropropene	ug/L	50	56.3	113	77-126	
trans-1,4-Dichloro-2-butene	ug/L	50	52.8J	106	53-136	
Trichloroethene	ug/L	50	56.2	112	74-125	
Trichlorofluoromethane	ug/L	50	54.1	108	64-138	
Vinyl acetate	ug/L	200	255	128	74-154	
Vinyl chloride	ug/L	50	53.1	106	55-139	
Xylene (Total)	ug/L	150	167	111	73-119	
4-Bromofluorobenzene (S)	%.			99	79-124	
Dibromofluoromethane (S)	%.			102	82-128	
Toluene-d8 (S)	%.			99	73-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622961 3622962

Parameter	Units	50373440003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	53.4	55.7	107	111	47-139	4	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	50.2	50.4	100	101	47-145	0	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	49.3	50.9	99	102	49-133	3	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	50.7	56.7	101	113	52-136	11	20	
1,1-Dichloroethane	ug/L	ND	50	50	56.3	52.0	111	102	52-137	8	20	
1,1-Dichloroethene	ug/L	ND	50	50	53.9	52.7	105	103	53-144	2	20	
1,1-Dichloropropene	ug/L	ND	50	50	51.1	52.9	102	106	49-150	3	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	46.5	47.8	93	96	20-153	3	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	49.1	52.6	98	105	47-134	7	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	40.2	40.3	80	81	23-141	0	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	44.3	46.8	89	94	41-131	5	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	54.2	53.2	108	106	55-133	2	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	48.6	49.5	97	99	43-133	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	51.2	50.3	102	101	50-138	2	20	
1,2-Dichloropropane	ug/L	ND	50	50	53.5	51.6	107	103	54-139	4	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	45.4	47.5	91	95	39-133	5	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	45.6	47.2	91	94	41-131	3	20	
1,3-Dichloropropane	ug/L	ND	50	50	51.2	51.4	102	103	50-136	0	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	43.5	45.3	87	91	41-131	4	20	
2,2-Dichloropropane	ug/L	ND	50	50	48.7	47.0	97	94	17-141	4	20	
2-Butanone (MEK)	ug/L	ND	250	250	283	245	113	98	45-138	14	20	
2-Chlorotoluene	ug/L	ND	50	50	46.5	47.2	93	94	36-141	1	20	
2-Hexanone	ug/L	ND	250	250	235	226	94	91	45-135	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622961 3622962

Parameter	Units	50373440003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Chlorotoluene	ug/L	ND	50	50	45.0	47.7	90	95	38-134	6	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	239	242	96	97	46-138	1	20	
Acetone	ug/L	ND	250	250	212	214	83	83	25-151	1	20	
Acrolein	ug/L	ND	1000	1000	800	776	80	78	36-168	3	20	
Acrylonitrile	ug/L	ND	250	250	269	249	108	100	47-147	8	20	
Benzene	ug/L	ND	50	50	52.1	54.7	104	109	53-138	5	20	
Bromobenzene	ug/L	ND	50	50	50.2	50.2	100	100	47-130	0	20	
Bromochloromethane	ug/L	ND	50	50	53.1	48.7	106	97	52-130	9	20	
Bromodichloromethane	ug/L	ND	50	50	55.7	56.2	111	112	50-146	1	20	
Bromoform	ug/L	ND	50	50	54.0	54.4	108	109	45-132	1	20	
Bromomethane	ug/L	ND	50	50	84.3	88.5	169	177	10-173	5	20	M0
Carbon disulfide	ug/L	ND	50	50	44.9	42.4	90	85	47-133	6	20	
Carbon tetrachloride	ug/L	ND	50	50	51.4	52.5	103	105	43-148	2	20	
Chlorobenzene	ug/L	ND	50	50	49.6	49.9	99	100	52-131	1	20	
Chloroethane	ug/L	ND	50	50	60.9	59.8	122	120	25-169	2	20	
Chloroform	ug/L	ND	50	50	55.2	53.5	110	107	54-138	3	20	
Chloromethane	ug/L	ND	50	50	52.0	50.6	104	101	33-137	3	20	
cis-1,2-Dichloroethene	ug/L	440	50	50	612	580	344	280	50-141	5	20	E,M1
cis-1,3-Dichloropropene	ug/L	ND	50	50	48.6	50.4	97	101	47-135	4	20	
Dibromochloromethane	ug/L	ND	50	50	53.5	51.9	107	104	48-139	3	20	
Dibromomethane	ug/L	ND	50	50	53.9	54.5	108	109	51-141	1	20	
Dichlorodifluoromethane	ug/L	ND	50	50	30.0	28.8	60	58	15-130	4	20	
Ethyl methacrylate	ug/L	ND	50	50	53.7J	55J	107	110	51-142		20	
Ethylbenzene	ug/L	ND	50	50	51.8	54.0	104	108	50-136	4	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	43.4	43.9	87	88	15-141	1	20	
Iodomethane	ug/L	ND	50	50	87.3	89.7	175	179	10-145	3	20	M0
Isopropylbenzene (Cumene)	ug/L	ND	50	50	51.5	52.1	103	104	46-137	1	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	55.0	50.3	110	101	47-135	9	20	
Methylene Chloride	ug/L	ND	50	50	52.7	48.5	105	97	48-131	8	20	
n-Butylbenzene	ug/L	ND	50	50	41.6	42.6	83	85	30-138	2	20	
n-Hexane	ug/L	ND	50	50	40.9	38.9	82	78	35-137	5	20	
n-Propylbenzene	ug/L	ND	50	50	45.9	48.3	92	97	37-135	5	20	
p-Isopropyltoluene	ug/L	ND	50	50	44.9	48.0	90	96	35-136	7	20	
sec-Butylbenzene	ug/L	ND	50	50	47.2	49.4	94	99	36-137	5	20	
Styrene	ug/L	ND	50	50	47.8	49.7	96	99	46-136	4	20	
tert-Butylbenzene	ug/L	ND	50	50	50.7	52.4	101	105	40-137	3	20	
Tetrachloroethene	ug/L	104	50	50	141	147	74	85	44-138	4	20	
Toluene	ug/L	ND	50	50	47.9	49.6	96	99	52-132	3	20	
trans-1,2-Dichloroethene	ug/L	16.6	50	50	66.1	61.0	99	89	50-137	8	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	47.3	49.4	95	99	46-130	4	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	39.2J	39.5J	78	79	24-134		20	
Trichloroethene	ug/L	79.8	50	50	120	122	81	85	49-140	2	20	
Trichlorofluoromethane	ug/L	ND	50	50	53.6	52.0	107	104	44-153	3	20	
Vinyl acetate	ug/L	ND	200	200	187	166	94	83	32-142	12	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622961 3622962

Parameter	Units	50373440003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vinyl chloride	ug/L	4.9	50	50	54.1	53.8	99	98	41-147	1	20	
Xylene (Total)	ug/L	ND	150	150	147	152	98	101	44-138	3	20	
4-Bromofluorobenzene (S)	%.						98	98	79-124			
Dibromofluoromethane (S)	%.						101	98	82-128			
Toluene-d8 (S)	%.						97	95	73-122			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

QC Batch: 791179
QC Batch Method: EPA 3511
Analysis Method: EPA 8270 by SIM 40E
Analysis Description: 8270 Water PAH 40 by SIM MSSV
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373634001, 50373634002, 50373634003, 50373634004, 50373634005, 50373634006

METHOD BLANK: 3620272 Matrix: Water
Associated Lab Samples: 50373634001, 50373634002, 50373634003, 50373634004, 50373634005, 50373634006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	05/21/24 23:27	
2-Methylnaphthalene	ug/L	ND	1.0	05/21/24 23:27	
Acenaphthene	ug/L	ND	1.0	05/21/24 23:27	
Acenaphthylene	ug/L	ND	1.0	05/21/24 23:27	
Anthracene	ug/L	ND	0.10	05/21/24 23:27	
Benzo(a)anthracene	ug/L	ND	0.10	05/21/24 23:27	
Benzo(a)pyrene	ug/L	ND	0.10	05/21/24 23:27	
Benzo(b)fluoranthene	ug/L	ND	0.10	05/21/24 23:27	
Benzo(g,h,i)perylene	ug/L	ND	0.10	05/21/24 23:27	
Benzo(k)fluoranthene	ug/L	ND	0.10	05/21/24 23:27	
Chrysene	ug/L	ND	0.50	05/21/24 23:27	
Dibenz(a,h)anthracene	ug/L	ND	0.10	05/21/24 23:27	
Fluoranthene	ug/L	ND	1.0	05/21/24 23:27	
Fluorene	ug/L	ND	1.0	05/21/24 23:27	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	05/21/24 23:27	
Naphthalene	ug/L	ND	1.0	05/21/24 23:27	
Phenanthrene	ug/L	ND	1.0	05/21/24 23:27	
Pyrene	ug/L	ND	1.0	05/21/24 23:27	
2-Fluorobiphenyl (S)	%.	102	43-129	05/21/24 23:27	
p-Terphenyl-d14 (S)	%.	121	64-162	05/21/24 23:27	

LABORATORY CONTROL SAMPLE: 3620273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	25	25.5	102	55-123	
2-Methylnaphthalene	ug/L	25	21.4	85	49-116	
Acenaphthene	ug/L	25	25.5	102	65-121	
Acenaphthylene	ug/L	25	27.7	111	57-131	
Anthracene	ug/L	25	26.3	105	45-133	
Benzo(a)anthracene	ug/L	25	26.3	105	74-147	
Benzo(a)pyrene	ug/L	25	29.7	119	79-132	
Benzo(b)fluoranthene	ug/L	25	30.0	120	80-157	
Benzo(g,h,i)perylene	ug/L	25	31.1	125	70-131	
Benzo(k)fluoranthene	ug/L	25	30.3	121	71-158	
Chrysene	ug/L	25	29.0	116	65-135	
Dibenz(a,h)anthracene	ug/L	25	30.7	123	75-141	
Fluoranthene	ug/L	25	29.5	118	85-139	
Fluorene	ug/L	25	27.4	110	74-129	
Indeno(1,2,3-cd)pyrene	ug/L	25	31.5	126	65-133	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

LABORATORY CONTROL SAMPLE: 3620273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	25	24.3	97	60-114	
Phenanthrene	ug/L	25	28.6	115	82-128	
Pyrene	ug/L	25	27.2	109	70-145	
2-Fluorobiphenyl (S)	%.			106	43-129	
p-Terphenyl-d14 (S)	%.			119	64-162	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3620274 3620275

Parameter	Units	50373605001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	0.31J	25	25	24.6	25.3	97	100	35-144	3	20	
2-Methylnaphthalene	ug/L	0.34J	25	25	20.6	21.2	81	83	38-130	3	20	
Acenaphthene	ug/L	ND	25	25	25.3	25.5	101	102	52-131	1	20	
Acenaphthylene	ug/L	ND	25	25	28.1	28.2	112	113	57-120	1	20	
Anthracene	ug/L	ND	25	25	27.5	26.7	110	107	43-123	3	20	
Benzo(a)anthracene	ug/L	ND	25	25	26.8	26.8	107	107	79-132	0	20	
Benzo(a)pyrene	ug/L	ND	25	25	30.6	30.2	122	121	75-125	1	20	
Benzo(b)fluoranthene	ug/L	ND	25	25	30.7	30.2	123	121	79-149	2	20	
Benzo(g,h,i)perylene	ug/L	ND	25	25	30.1	29.3	121	117	48-156	3	20	
Benzo(k)fluoranthene	ug/L	ND	25	25	31.5	30.5	126	122	81-150	3	20	
Chrysene	ug/L	ND	25	25	29.3	28.6	117	114	78-130	2	20	
Dibenz(a,h)anthracene	ug/L	ND	25	25	29.7	29.6	119	118	62-149	0	20	
Fluoranthene	ug/L	ND	25	25	31.4	31.6	125	126	74-141	1	20	
Fluorene	ug/L	ND	25	25	28.0	27.7	112	111	56-145	1	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	25	25	30.3	29.7	121	119	51-146	2	20	
Naphthalene	ug/L	0.48J	25	25	24.3	24.1	95	94	31-147	1	20	
Phenanthrene	ug/L	ND	25	25	30.0	29.8	120	119	77-130	0	20	
Pyrene	ug/L	ND	25	25	28.8	28.0	115	112	75-150	3	20	
2-Fluorobiphenyl (S)	%.						99	100	43-129			
p-Terphenyl-d14 (S)	%.						124	120	64-162			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

QC Batch: 791631
QC Batch Method: EPA 3511
Analysis Method: EPA 8270 by SIM 40E
Analysis Description: 8270 Water PAH 40 by SIM MSSV
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50373634007, 50373634008

METHOD BLANK: 3622386 Matrix: Water
Associated Lab Samples: 50373634007, 50373634008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	05/23/24 18:57	
2-Methylnaphthalene	ug/L	ND	1.0	05/23/24 18:57	
Acenaphthene	ug/L	ND	1.0	05/23/24 18:57	
Acenaphthylene	ug/L	ND	1.0	05/23/24 18:57	
Anthracene	ug/L	ND	0.10	05/23/24 18:57	
Benzo(a)anthracene	ug/L	ND	0.10	05/23/24 18:57	
Benzo(a)pyrene	ug/L	ND	0.10	05/23/24 18:57	
Benzo(b)fluoranthene	ug/L	ND	0.10	05/23/24 18:57	
Benzo(g,h,i)perylene	ug/L	ND	0.10	05/23/24 18:57	
Benzo(k)fluoranthene	ug/L	ND	0.10	05/23/24 18:57	
Chrysene	ug/L	ND	0.50	05/23/24 18:57	
Dibenz(a,h)anthracene	ug/L	ND	0.10	05/23/24 18:57	
Fluoranthene	ug/L	ND	1.0	05/23/24 18:57	
Fluorene	ug/L	ND	1.0	05/23/24 18:57	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	05/23/24 18:57	
Naphthalene	ug/L	ND	1.0	05/23/24 18:57	
Phenanthrene	ug/L	ND	1.0	05/23/24 18:57	
Pyrene	ug/L	ND	1.0	05/23/24 18:57	
2-Fluorobiphenyl (S)	%.	81	43-129	05/23/24 18:57	
p-Terphenyl-d14 (S)	%.	132	64-162	05/23/24 18:57	

LABORATORY CONTROL SAMPLE: 3622387

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	50	50.6	101	55-123	
2-Methylnaphthalene	ug/L	50	43.5	87	49-116	
Acenaphthene	ug/L	50	51.9	104	65-121	
Acenaphthylene	ug/L	50	56.5	113	57-131	
Anthracene	ug/L	50	55.0	110	45-133	
Benzo(a)anthracene	ug/L	50	52.8	106	74-147	
Benzo(a)pyrene	ug/L	50	60.1	120	79-132	
Benzo(b)fluoranthene	ug/L	50	59.4	119	80-157	
Benzo(g,h,i)perylene	ug/L	50	61.4	123	70-131	
Benzo(k)fluoranthene	ug/L	50	62.8	126	71-158	
Chrysene	ug/L	50	58.2	116	65-135	
Dibenz(a,h)anthracene	ug/L	50	61.0	122	75-141	
Fluoranthene	ug/L	50	63.7	127	85-139	
Fluorene	ug/L	50	56.4	113	74-129	
Indeno(1,2,3-cd)pyrene	ug/L	50	60.3	121	65-133	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

LABORATORY CONTROL SAMPLE: 3622387

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	47.5	95	60-114	
Phenanthrene	ug/L	50	58.7	117	82-128	
Pyrene	ug/L	50	58.3	117	70-145	
2-Fluorobiphenyl (S)	%.			83	43-129	
p-Terphenyl-d14 (S)	%.			126	64-162	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622388 3622389

Parameter	Units	50373752001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	ND	24.6	24.6	25.0	23.9	101	97	35-144	5	20	
2-Methylnaphthalene	ug/L	ND	24.6	24.6	20.8	20.1	85	82	38-130	4	20	
Acenaphthene	ug/L	ND	24.6	24.6	24.7	23.9	100	97	52-131	3	20	
Acenaphthylene	ug/L	ND	24.6	24.6	27.9	26.9	113	109	57-120	4	20	
Anthracene	ug/L	ND	24.6	24.6	26.5	25.6	108	104	43-123	4	20	
Benzo(a)anthracene	ug/L	ND	24.6	24.6	27.3	26.3	111	107	79-132	4	20	
Benzo(a)pyrene	ug/L	ND	24.6	24.6	29.5	28.8	120	117	75-125	2	20	
Benzo(b)fluoranthene	ug/L	ND	24.6	24.6	30.0	29.1	122	119	79-149	3	20	
Benzo(g,h,i)perylene	ug/L	ND	24.6	24.6	29.1	30.7	118	125	48-156	6	20	
Benzo(k)fluoranthene	ug/L	ND	24.6	24.6	29.9	30.1	121	122	81-150	1	20	
Chrysene	ug/L	ND	24.6	24.6	29.3	29.3	119	119	78-130	0	20	
Dibenz(a,h)anthracene	ug/L	ND	24.6	24.6	32.9	34.7	134	141	62-149	5	20	
Fluoranthene	ug/L	ND	24.6	24.6	30.3	29.7	123	121	74-141	2	20	
Fluorene	ug/L	ND	24.6	24.6	27.1	26.7	110	109	56-145	2	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	24.6	24.6	29.2	30.6	118	124	51-146	5	20	
Naphthalene	ug/L	ND	24.6	24.6	23.0	21.7	93	88	31-147	6	20	
Phenanthrene	ug/L	ND	24.6	24.6	28.9	28.0	117	114	77-130	3	20	
Pyrene	ug/L	ND	24.6	24.6	27.7	29.4	113	120	75-150	6	20	
2-Fluorobiphenyl (S)	%.						85	86	43-129			
p-Terphenyl-d14 (S)	%.						116	122	64-162			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622390 3622391

Parameter	Units	50373647004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	ND	24.8	24.9	24.2	22.8	97	92	35-144	6	20	
2-Methylnaphthalene	ug/L	ND	24.8	24.9	20.3	19.2	82	77	38-130	5	20	
Acenaphthene	ug/L	ND	24.8	24.9	24.4	24.3	98	97	52-131	1	20	
Acenaphthylene	ug/L	ND	24.8	24.9	27.0	26.6	109	106	57-120	2	20	
Anthracene	ug/L	ND	24.8	24.9	26.6	26.6	107	107	43-123	0	20	
Benzo(a)anthracene	ug/L	ND	24.8	24.9	26.5	26.6	107	107	79-132	0	20	
Benzo(a)pyrene	ug/L	ND	24.8	24.9	29.7	29.7	120	119	75-125	0	20	
Benzo(b)fluoranthene	ug/L	ND	24.8	24.9	30.3	30.6	122	123	79-149	1	20	
Benzo(g,h,i)perylene	ug/L	ND	24.8	24.9	29.8	27.3	120	110	48-156	9	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Burger Dairy IFA
Pace Project No.: 50373634

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3622390 3622391

Parameter	Units	50373647004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzo(k)fluoranthene	ug/L	ND	24.8	24.9	30.8	30.3	124	122	81-150	2	20	
Chrysene	ug/L	ND	24.8	24.9	29.2	29.6	118	119	78-130	2	20	
Dibenz(a,h)anthracene	ug/L	ND	24.8	24.9	33.6	30.8	135	124	62-149	8	20	
Fluoranthene	ug/L	ND	24.8	24.9	31.4	32.1	127	129	74-141	2	20	
Fluorene	ug/L	ND	24.8	24.9	27.7	27.3	112	109	56-145	1	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	24.8	24.9	29.7	27.4	120	110	51-146	8	20	
Naphthalene	ug/L	ND	24.8	24.9	22.2	20.9	90	84	31-147	6	20	
Phenanthrene	ug/L	ND	24.8	24.9	28.8	29.1	116	117	77-130	1	20	
Pyrene	ug/L	ND	24.8	24.9	28.4	28.0	114	112	75-150	2	20	
2-Fluorobiphenyl (S)	%.						84	87	43-129			
p-Terphenyl-d14 (S)	%.						116	115	64-162			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Burger Dairy IFA
Pace Project No.: 50373634

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Burger Dairy IFA
Pace Project No.: 50373634

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50373634001	**MW-1**	EPA 3511	791179	EPA 8270 by SIM 40E	791269
50373634002	**MW-2**	EPA 3511	791179	EPA 8270 by SIM 40E	791269
50373634003	**MW-3**	EPA 3511	791179	EPA 8270 by SIM 40E	791269
50373634004	**MW-4**	EPA 3511	791179	EPA 8270 by SIM 40E	791269
50373634005	**MW-5**	EPA 3511	791179	EPA 8270 by SIM 40E	791269
50373634006	**MW-6**	EPA 3511	791179	EPA 8270 by SIM 40E	791269
50373634007	**MW-7**	EPA 3511	791631	EPA 8270 by SIM 40E	791803
50373634008	**DUPW**	EPA 3511	791631	EPA 8270 by SIM 40E	791803
50373634001	**MW-1**	EPA 8260	791731		
50373634002	**MW-2**	EPA 8260	791736		
50373634003	**MW-3**	EPA 8260	791736		
50373634004	**MW-4**	EPA 8260	791736		
50373634005	**MW-5**	EPA 8260	791736		
50373634006	**MW-6**	EPA 8260	791731		
50373634007	**MW-7**	EPA 8260	791731		
50373634008	**DUPW**	EPA 8260	791731		
50373634009	**TB**	EPA 8260	791731		

Pace

CHAIN-OF-CUSTODY / Analy

The Chain-of-Custody is a LEGAL DOCUME

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditi

WO# : 50373634

50373634

Page 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	IWM Consulting Group	Report To:	Jeff Jacob	Attention:	
Address:	1015 Production Road	Copy To:		Company Name:	
Fort Wayne, IN 46808				Address:	
Email:	jjacob@iwmconsult.com	Purchase Order #:		Pace Quote:	
Phone:	260-442-3016 Fax:	Project Name:	Burger Dairy IFA	Pace Project Manager:	heather.patterson@pacelabs.com,
Requested Due Date:		Project #:	22950-40	Pace Profile #:	5647-35

Regulatory Agency	
State / Location	IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	VOC by 8260	PAH by 8270SIM	Residual Chlorine (Y/N)	
1	MW-1	WT		05/16/24	12:53				3	3			3						x	x		001
2	MW-2	WT			16:17				3	3			3						x	x		002
3	MW-3	WT			15:28				3	3			3						x	x		003
4	MW-4	WT			10:52				3	3			3						x	x		004
5	MW-5	WT			13:45				3	3			3						x	x		005
6	MW-6	WT			14:37				3	3			3						x	x		006
7	MW-7	WT			12:06				3	3			3						x	x		007
8	DUPW	WT			—				3	3			3						x	x		008
9	TB	WT			—					3			3						x			009
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	IWM	5/17/24	1537		5/17/24	15:37				
	NOW	5-18-24	1049	PACE	5-18-24	1049	0.4	Y	Y	Y

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Andrew Shirmeyer					
SIGNATURE of SAMPLER:		DATE Signed: 05/16/24				

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: NMS 05.18.2024 1252

1. **Courier:** ☐ FED EX ☐ UPS ☐ CLIENT ☐ PACE ☒ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☒ Yes ☐ No

(If yes)**Seals Intact:** ☒ Yes ☐ No **(leave blank if no seals were present)**

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G H

4. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

0.4/0.4			

5. **Packing Material:** ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☒ Wet ☐ Blue ☐ None

7. **Was the PM notified of out of temp cooler?:** ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C

8. **EZ Bottle Order?** ☐ Yes ☒ No

If yes but not on COC what is the EZ Bottle Order Number?:

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle:** **HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form			
Short Hold Time Analysis (48 hours or less)? Analysis:		X				X
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:			Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			X
Rush TAT Requested (4 days or less):		X	Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
Custody Signatures Present?	X		Headspace Wisconsin Sulfide?			X
Containers Intact?:	X		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent X	No VOA Vials Sent
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X		Trip Blank Present?	X		
Extra labels on Terracore Vials? (soils only)		X	Trip Blank Custody Seals?:	X		

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a RED dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	AMBER GLASS DG9H	AMBER GLASS VG9H	VOA VIAL HS >6mm	AMBER GLASS VG9U	AMBER GLASS DG9U	AMBER GLASS VG9T	AMBER GLASS AG0U	AMBER GLASS AG1H	AMBER GLASS AG1U	AMBER GLASS AG3U	AMBER GLASS AG3S	AMBER GLASS AG3SF	AMBER GLASS AG3B	PLASTIC BP1U	PLASTIC BP1N	PLASTIC BP2U	PLASTIC BP3U	PLASTIC BP3N	PLASTIC BP3F	PLASTIC BP3S	PLASTIC BP3B	PLASTIC BP3Z	OTHER CG3H	OTHER CG3F	OTHER Syringe Kit		Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1				3			3																							WT				
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL H2SO4 plastic
BP1U	1L unpreserved plastic		
BP1Z	1L NaOH, Zn, Ac		
BP2N	500mL HNO3 plastic		
BP2C	500mL NaOH plastic		
BP2S	500mL H2SO4 plastic		
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3F	250mL HNO3 plastic-field filtered		
BP3U	250mL unpreserved plastic		
BP3S	250mL H2SO4 plastic		
BP3Z	250mL NaOH, ZnAc plastic		
BP3R	250mL Unpres. FF SO4/OH buffer		

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe