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CASE NARRATIVE
Monthly Data Pall Life Sciences
Project: 1,4-Dioxane Remediation
Date: December 2020

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Gelman Sciences, Inc. d/b/a Pall Life Sciences (PLS) attests to the validity of the laboratory data generated by PLS's Ann Arbor, Michigan Environmental Laboratory facilities reported herein. All analyses performed by PLS's Environmental Laboratory facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. PLS's Environmental group has reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

At the end of the month some of the 1,4-dioxane samples were sent to Ann Arbor Technical Services for analysis due to a reproducibility problem. The balance of samples were analyzed for 1,4-dioxane and bromate at Pall Corporation's Environmental Laboratory. All test results in this report meet all NELAP requirements for parameters for which accreditation are required or available. Any exceptions to NELAP requirements are noted in this report. All exceptions are noted per laboratory standard operating procedure based on EPA Method 1624c. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results. The odd even rule is used for rounding. Holding times were met for all samples analyzed. Proper preservation was observed on all samples unless otherwise detailed in the individual sections below.

RECEIPT/ STORAGE

The samples were received on the days noted in the report for the Month; the samples arrived in good condition, properly preserved and on ice when necessary. Samples that require 1,4-dioxane analysis are collected in hydrochloric acid (HCl)-preserved vials to a pH of ≤2, with the exception of the Pall ozone treatment samples. These samples have chemicals that, when mixed with the HCl, cause interferences and trap damage. Every attempt is made to analyze these samples within 24 hours of receipt.

Samples that require Bromate analysis are collected and preserved in the laboratory with ethylene di-amine and refrigerated.

Samples that are delivered to the laboratory the same day as they are collected are likely not to have reached a fully chilled temperature. This is acceptable as long as there is evidence that chilling has begun. All samples are iced or refrigerated at 4°C (±2°C) from the time of collection until sample preparation or analysis.

1,4-Dioxane (GC-MS)

All ground water and treated water samples were analyzed for 1,4-Dioxane (GC-MS) in accordance with EPA 1624C, which has been modified to enhance detection limits. Samples that were diluted to bring them within the calibrated range of the instrument are noted with a "D" under the Qualifier Code section of the data report. Reporting limits were adjusted based on each dilution.

Reporting limit for undiluted samples is 1.0ppb (part per billion, micrograms per liter, µg/L). All quality control parameters were within the acceptance limits. All data is reported with two significant figures.

Bromate (Ion Chromatography)

All surface water and treated samples were analyzed for Bromate (Ion Chromatography) in accordance with EPA 300.1. Surrogates are added to all samples. All quality control parameters were within the acceptance limits with the balance of sample analyzed.

The reporting limit for treated samples is 5.0ppb and for surface samples is 2.0ppb. All data is reported with 2 significant figures.

Qualifiers

1,4-Dioxane Qualifier Codes:

Qualifier Code	*Description*
nd:	The compound was analyzed for, but was not detected at or above the detection limit indicated.
D:	Analyte value quantified from a dilution, reporting limit is raised to reflect dilution.
E:	The compound result is greater than the upper quantitation limit in the associated calibration curve, reported as estimate.
B:	The sample vials contained air bubbles larger than 5mm, which may affect compound results.
J:	The compound was positively identified; the associated numerical value is the approximate concentration.
M:	Matrix effects, sample required dilution.
R:	The reported value is unusable and rejected due to variance from quality control criteria.
V:	The reported value is considered estimated due to variance from quality control criteria.
H:	Sample was analyzed past 14 day hold time, but within 45 days.
O:	Samples analyzed in outside laboratory.
S:	Samples split with DEQ.

Bromate Qualifier Codes:

Qualifier Code	*Description*
nd:	The compound was analyzed for, but was not detected at or above the detection limit indicated.
E:	The compound result is greater than the upper quantitation limit in the associated calibration curve.
J:	The compound was positively identified; the associated numerical value is the approximate concentration.
R:	The reported value is unusable and rejected due to variance from quality control criteria.
V:	The reported value is considered estimated due to variance from quality control criteria.
H:	Sample was analyzed past 28 day hold time

Analyst: *Susan E.O. Peters* Susan EO Peters Date: 01-08-21

Report Checked by: *Ray Woods* Date: 1/9/21

PALL Life Sciences

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Sample Analysis Report

December, 2020

Analyst Initials: BEOP
Date: 01-08-21

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
Residential Wells								
D0								
4601 Park 4 inch-12-07-20-09:31-1	nd	1.0						O
4601 Park 6 inch-12-07-20-10:49-1	nd	1.0						O
Extraction Wells								
C3								
DOLPH-12-03-20-09:10-1	160	10.0						O, D
TW-20-12-03-20-09:20-1	780	20.0						O, D
D2								
LB-4-12-03-20-08:20-1	330	10.0						O, D
TW-21-12-03-20-09:00-1	190	10.0						O, D
E								
TW-18-12-03-20-09:05-1	270	10.0						O, D
TW-19-12-03-20-08:35-1	480	10.0						O, D
TW-23-12-03-20-08:50-1	360	10.0						O, D
Marshy								
PW-1-12-03-20-09:15-1	500	10.0						O, D
SW								
TW-22-12-03-20-09:30-1	320	10.0						O, D
TW-28-12-03-20-09:35-1	610	10.0						O, D

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
Monitoring Wells								
C3								
MW-125-12-08-20-14:50-1	240	10.0						O, D
MW-127s-12-08-20-09:59-1	nd	1.0						O
MW-128s-12-09-20-10:49-1	3	1.0						O
MW-28-12-14-20-14:19-1	nd	1.0						O
MW-37-12-09-20-12:14-1	230	10.0						O, D
D0								
A2 Cleaning Supply-12-10-20-13:40-1	59	2.0						O, D
MW-139i-12-15-20-12:24-1	nd	1.0						
MW-139s-12-15-20-09:30-1	nd	1.0						
MW-141s-12-07-20-13:05-1	4	1.0						O
MW-41d-12-16-20-13:45-1	18	1.0						
MW-41s-12-16-20-13:30-1	15	1.0						
MW-51-12-10-20-10:36-1	nd	1.0						O
MW-53d-12-03-20-10:14-1	nd	1.0						O
MW-53i-12-03-20-13:22-1	63	1.0						O
MW-53s-12-03-20-11:33-1	nd	1.0						O
MW-61d-12-14-20-12:27-1	10	1.0						O
MW-61s-12-14-20-11:17-1	3	1.0						O
MW-93-12-15-20-13:56-1	nd	1.0						
D2								
373 Pinewood Shallow-12-21-20-12:00-1	210	10.0						D
465 Dupont-12-02-20-10:18-1	850	20						O, D
MW-131s-12-10-20-13:22-1	nd	1.0						O
E								

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
373 Pinewood Deep-12-16-20-10:37-1	nd	1.0						
MW-103d-12-04-20-12:21-1	6	1.0						O
MW-103s-12-04-20-13:30-1	76	2.0						O, D
MW-112i-12-04-20-10:49-1	14	1.0						O
MW-112s-12-04-20-09:41-1	nd	1.0						O
MW-127d-12-08-20-08:48-1	nd	1.0						O
MW-128d-12-09-20-09:37-1	nd	1.0						O
MW-131d-12-10-20-12:04-1	nd	1.0						O
MW-139d-12-15-20-10:44-1	1.3	1.0						
MW-141d-12-07-20-12:15-1	5	1.0						O
MW-56d-12-14-20-13:52-1	nd	1.0						O
MW-76i-12-02-20-12:02-1	120	10.0						O, D
MW-76s-12-02-20-13:22-1	230	10.0						O, D
MW-84s-12-17-20-12:56-1	260	10.0						D
Saginaw Forest Cabin #1-12-08-20-12:26-1	nd	1.0						O
Saginaw Forest Cabin #2-12-08-20-11:13-1	nd	1.0						O
Marshy								
NMW-1s-12-16-20-11:30-1	2000	100.0						D
NMW-2s-12-16-20-11:00-1	2200	100.0						D
SW								
MW-58d-12-09-20-13:37-1	20	1.0						O
MW-58s-12-09-20-14:45-1	250	20.0						O, D
MW-78-12-08-20-13:37-1	22	1.0						O
Surface Water								
Not Applicable								
HC/HR-12-01-20-08:25-1			nd	2.0				

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
HC/HR-12-02-20-08:25-1			nd	2.0				
HC/HR-12-03-20-08:05-1			nd	2.0				
HC/HR-12-04-20-08:25-1			nd	2.0				
HC/HR-12-07-20-07:20-1			nd	2.0				
HC/HR-12-08-20-07:50-1			nd	2.0				
HC/HR-12-09-20-07:55-1			nd	2.0				
HC/HR-12-10-20-08:30-1			nd	2.0				
HC/HR-12-11-20-08:10-1			nd	2.0				
HC/HR-12-14-20-08:30-1			nd	2.0				
HC/HR-12-15-20-08:20-1			nd	2.0				
HC/HR-12-16-20-08:15-1			nd	2.0				
HC/HR-12-17-20-08:20-1			nd	2.0				
HC/HR-12-18-20-07:55-1			nd	2.0				
HC/HR-12-21-20-08:05-1			nd	2.0				
HC/HR-12-22-20-07:50-1			nd	2.0				
HC/HR-12-23-20-07:50-1			nd	2.0				
HC/HR-12-24-20-07:55-1			nd	2.0				
HC/HR-12-28-20-07:40-1			nd	2.0				
HC/HR-12-29-20-08:00-1			nd	2.0				
HC/HR-12-30-20-08:10-1			nd	2.0				
HC/HR-12-31-20-07:50-1			nd	2.0				
Treatment System								
OUTFALL-12-01-20-1	6.4	1.0						
OUTFALL-12-01-20-2			7.7	5.0				
OUTFALL-12-02-20-2			8.9	5.0				
OUTFALL-12-02-20-1	8	1.0						O
OUTFALL-12-03-20-2			7.9	5.0				

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
OUTFALL-12-03-20-1	11	1.0						O
OUTFALL-12-06-20-2			8.8	5.0				
OUTFALL-12-06-20-1	8	1.0						O
OUTFALL-12-07-20-2			8.2	5.0				
OUTFALL-12-07-20-1	8	1.0						O
OUTFALL-12-08-20-1	6	1.0						O
OUTFALL-12-08-20-2			8.3	5.0				
OUTFALL-12-09-20-02			8.1	5.0				
OUTFALL-12-09-20-01	5	1.0						O
OUTFALL-12-10-20-2			7.8	5.0				
OUTFALL-12-10-20-1	7	1.0						O
OUTFALL-12-13-20-2			7.7	5.0				
OUTFALL-12-13-20-1	8	1.0						O
OUTFALL-12-14-20-2			8.4	5.0				
OUTFALL-12-14-20-1	6	1.0						O
OUTFALL-12-15-20-2			8.0	5.0				
OUTFALL-12-15-20-1	8	1.0						O
OUTFALL-12-16-20-2			7.9	5.0				
OUTFALL-12-16-20-1	5.7	1.0						
OUTFALL-12-17-20-2			8.4	5.0				
OUTFALL-12-17-20-1	6.7	1.0						
OUTFALL-12-20-20-2			7.8	5.0				
OUTFALL-12-20-20-1	6.6	1.0						
OUTFALL-12-21-20-2			7.8	5.0				
OUTFALL-12-21-20-1	6.4	1.0						
OUTFALL-12-22-20-2			7.8	5.0				
OUTFALL-12-22-20-1	5.2	1.0						

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
OUTFALL-12-23-20-2			8.1	5.0				
OUTFALL-12-23-20-1	6.0	1.0						
OUTFALL-12-24-20-2			8.2	5.0				
OUTFALL-12-24-20-1	6.0	1.0						
OUTFALL-12-27-20-2			8.1	5.0				
OUTFALL-12-27-20-1	6.2	1.0						
OUTFALL-12-28-20-2			7.5	5.0				
OUTFALL-12-28-20-1	5.4	1.0						
OUTFALL-12-29-20-2			7.1	5.0				
OUTFALL-12-29-20-1	6.0	1.0						
OUTFALL-12-30-20-2			7.9	5.0				
OUTFALL-12-30-20-1	5.9	1.0						
OUTFALL-12-31-20-2			7.8	5.0				
OUTFALL-12-31-20-1	5.1	1.0						
Red Pond-12-07-20-08:05-1	260	10.0						O, D
Red Pond-12-14-20-09:00-1	330	10.0						O, D
Red Pond-12-21-20-08:30-1	370	10.0						D
Red Pond-12-28-20-08:05-1	370	10.0						D

PLS Qualifier Codes:

nd: The compound was analyzed for, but was not detected at or above the detection limit indicated.
D: Analyte value quantified from a dilution, reporting limit is raised to reflect dilution.
H: Sample was analyzed past 45 day hold time, but within 45 days used by ATS for same method with EPA approval.
O: Samples analyzed in outside laboratory, Ann Arbor Technical Services (ATS).

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Wisconsin Laboratory ID: 998951739

Data Transmittal Cover Page

Project Name: Pall Corporation
ATS Project Number: G001-002
ATS Report Number(s): Org_SRF_1216201
Client PO Number: 4503828293

Project Description: This data report contains the results of fifty-five water samples, received by ATS on 12/16/20, to be analyzed for 1,4-Dioxane.

We certify that the sample analyses for this report have been conducted in accordance with guidelines provided in the referenced standard test method, and are consistent with detailed procedures described in a written Standard Operating Procedure specific to the ATS Laboratories, as required by USEPA. Laboratory data sheets, SOPs, and QA/QC information are available for inspection and audit at the laboratory upon request. Unless specifically noted on the data report, all applicable sample preservation and holding time requirements have been met.

Recipient: Ms. Sue Peters **Email:** Sue_Peters@Pall.com
FAX Number:

No. of Pages (including cover pg.): 69

From: Sarah Stubblefield, Senior Chemist / Lab Manager **Email:** Sarah.Stubblefield@AnnArborTechnicalServices.com
FAX Number: 734-995-3731

Additional Message:

Date: 1/4/21 **Signed:**

IF YOU DO NOT RECEIVE ALL PAGES OF THIS TRANSMITTAL, PLEASE CALL 734-995-0995.

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LABORATORY OPERATIONS
CASE NARRATIVE

ATS Project Number: G001-002
Report Date: 1/4/21
SRF / SDG Numbers: 1216201

Case Narrative Summary

This case narrative applies to the following samples that were received at Ann Arbor Technical Services, Inc. (ATS) on 12/16/20, and associated matrix-specific QA/QC:

Samples

Client Sample Identification	Sample Date	Requested Turn Around Time	Analysis	Matrix
Received 12/16/20				
465 Dupont	12/2/20	Standard	1,4-Dioxane	Water
MW-76i	12/2/20	Standard	1,4-Dioxane	Water
MW-76s	12/2/20	Standard	1,4-Dioxane	Water
LB-4	12/3/20	Standard	1,4-Dioxane	Water
TW-19	12/3/20	Standard	1,4-Dioxane	Water
TW-23	12/3/20	Standard	1,4-Dioxane	Water
TW-21	12/3/20	Standard	1,4-Dioxane	Water
TW-18	12/3/20	Standard	1,4-Dioxane	Water
PW-1	12/3/20	Standard	1,4-Dioxane	Water
DOLPH	12/3/20	Standard	1,4-Dioxane	Water
TW-20	12/3/20	Standard	1,4-Dioxane	Water
TW-22	12/3/20	Standard	1,4-Dioxane	Water
TW-28	12/3/20	Standard	1,4-Dioxane	Water
MW-53d	12/3/20	Standard	1,4-Dioxane	Water
MW-53s	12/3/20	Standard	1,4-Dioxane	Water
MW-53i	12/3/20	Standard	1,4-Dioxane	Water
MW-112s	12/4/20	Standard	1,4-Dioxane	Water
MW-112i	12/4/20	Standard	1,4-Dioxane	Water
MW-103d	12/4/20	Standard	1,4-Dioxane	Water
MW-103s	12/4/20	Standard	1,4-Dioxane	Water
4601 Park 4"	12/7/20	Standard	1,4-Dioxane	Water
4601 Park 6"	12/7/20	Standard	1,4-Dioxane	Water
MW-141d	12/7/20	Standard	1,4-Dioxane	Water
MW-141s	12/7/20	Standard	1,4-Dioxane	Water

Consultants in Chemistry & Environmental Science
290 South Wagner Road, Ann Arbor, Michigan 48103 Tel 734/995-0995 Fax 734/995-3731

Client Sample Identification	Sample Date	Requested Turn Around Time	Analysis	Matrix
MW-127d	12/8/20	Standard	1,4-Dioxane	Water
MW-127s	12/8/20	Standard	1,4-Dioxane	Water
Saginaw Forest Cabin #2	12/8/20	Standard	1,4-Dioxane	Water
Saginaw Forest Cabin #1	12/8/20	Standard	1,4-Dioxane	Water
MW-78	12/8/20	Standard	1,4-Dioxane	Water
MW-125	12/8/20	Standard	1,4-Dioxane	Water
MW-128d	12/9/20	Standard	1,4-Dioxane	Water
MW-128s	12/9/20	Standard	1,4-Dioxane	Water
MW-37	12/9/20	Standard	1,4-Dioxane	Water
MW-58d	12/9/20	Standard	1,4-Dioxane	Water
MW-58s	12/9/20	Standard	1,4-Dioxane	Water
MW-51	12/10/20	Standard	1,4-Dioxane	Water
MW-131d	12/10/20	Standard	1,4-Dioxane	Water
MW-131s	12/10/20	Standard	1,4-Dioxane	Water
A2 Cleaning Supply	12/10/20	Standard	1,4-Dioxane	Water
Red Pond	12/14/20	Standard	1,4-Dioxane	Water
MW-61s	12/14/20	Standard	1,4-Dioxane	Water
MW-61d	12/14/20	Standard	1,4-Dioxane	Water
MW-56d	12/14/20	Standard	1,4-Dioxane	Water
MW-28	12/14/20	Standard	1,4-Dioxane	Water
Outfall 001	12/2/20	Standard	1,4-Dioxane	Treated Water
Outfall 001	12/3/20	Standard	1,4-Dioxane	Treated Water
Outfall 001	12/6/20	Standard	1,4-Dioxane	Treated Water
Outfall 001	12/7/20	Standard	1,4-Dioxane	Treated Water
Outfall 001	12/8/20	Standard	1,4-Dioxane	Treated Water
Outfall 001	12/9/20	Standard	1,4-Dioxane	Treated Water
Outfall 001	12/10/20	Standard	1,4-Dioxane	Treated Water
Outfall 001	12/13/20	Standard	1,4-Dioxane	Treated Water
Outfall 001	12/14/20	Standard	1,4-Dioxane	Treated Water
Outfall 001	12/15/20	Standard	1,4-Dioxane	Treated Water
Red Pond	12/7/20	Standard	1,4-Dioxane	Water

Upon receipt, samples were scheduled for the following analyses:

Analysis	Number of Samples
• 1,4-Dioxane (US EPA 1624) (Standard Turn)	• 55 + 3 Matrix Spike / 3 Matrix Spike Duplicate

Sample Receipt, Chain of Custody Records, and Holding Times

Samples were delivered directly to ATS by Pall Corporation staff. Samples were received with proper chain of custody records included. All samples were prepared and analyzed within the holding times cited in the corresponding analytical methods. The following exceptions were noted concerning sample condition upon receipt.

- None

Data Review and Approval

All data contained in this report have been generated in accordance with guidelines provided in the referenced standard test method, and are consistent with detailed procedures described in a written standard operating procedures (SOPs) specific to the ATS Laboratory, as required by US EPA. All data are peer and management reviewed to ensure compliance with the above referenced SOP's and project specifications. In addition all data conform to the laboratory's Quality Assurance / Quality Control Manuals.

A single QA/QC batch is defined as no more than 20 samples excluding method blanks (MB, LRB), fortified blanks (BS, LFB, LCS), matrix spikes (MS, SPK), and duplicates whether spiked or native (MSD, SPK DUP, DUP, LR).

Data Deliverables

This data package constitutes a Level II package; other data report packages (Level I, Level IV DVP, EPA R5 EDD) are available upon request. There were no hardcopy data summary sheets generated for this project.

Sample Analysis

1,4-Dioxane Analysis (GC/MS): Samples were analyzed in accordance with US EPA method 1624 (Volatile Organic Compounds by Isotope Dilution Gas Chromatography – Mass Spectrometry). An initial calibration with at least five levels was used to quantitate 1,4-Dioxane. Samples were reported to project specific reporting limits.

Anomalies Noted:

- None

Analytical QA/QC Summary

Calibration Verification

Method calibration was verified through the running of a mid-level initial calibration verification (CV) standard at a frequency of every 24 hours (1,4-Dioxane). All verification standards met the acceptance criteria with the following exceptions:

- None

Instrument Blanks

Instrument blanks were analyzed at a frequency of every 24 hours (1,4-Dioxane). All blanks met the acceptance criteria with the following exceptions:

- None

QA/QC Batch Summary

Laboratory Reagent Blanks

A laboratory reagent blank (LRB) was analyzed with each QA/QC batch. The LRB's met the acceptance criteria with the following exceptions:

- None

Laboratory Fortified Blanks and Matrix Spikes

A laboratory fortified blank (LFB) / laboratory control sample (LCS) was analyzed with each QA/QC batch. The LCS/LFB's met the acceptance criteria with the following exceptions:

Sample ID	Constituent	Percent Recovery	Acceptance Limits
Laboratory Fortified Blank-1	1,4-Dioxane	119.3	85-115%

A matrix spike (MS) and matrix spike duplicate (MSD) was analyzed with each QA/QC batch. The MS/MSD met the acceptance criteria with the following exceptions:

Sample ID	Constituent	Percent Recovery	Acceptance Limits
MW-58s 12/9/20 Matrix Spike Duplicate	1,4-Dioxane	144.4	80-120%

Matrix Duplicates

A replicate analysis was analyzed with each QA/QC batch. All replicates met the acceptance criteria with the following exceptions:

- None

Sample Dilutions

Samples containing compounds at concentrations above the initial calibration curve were diluted and reanalyzed for those compounds. The following samples were diluted for 1,4-Dioxane:

- 465 Dupont 12/2/2020
- MW-76s 12/2/2020
- TW-19 12/3/2020
- TW-21 12/3/2020
- PW-1 12/3/2020
- TW-28 12/3/2020
- TW-20 12/3/2020
- MW-125 12/8/2020
- MW-58s 12/9/2020
- Red Pond 12/14/20
- MW-76i 12/2/2020
- LB-4 12/3/2020
- TW-23 12/3/2020
- TW-18 12/3/2020
- TW-22 12/3/2020
- DOLPH 12/3/2020
- MW-103s 12/4/2020
- MW-37 12/9/2020
- A2 Cleaning Supply 12/10/20
- Red Pond 12/7/20

Mark A. DeLong / December 29, 2020

Mark T. DeLong (Quality Assurance Coordinator)

Philip B. Simon / December 29, 2020

Philip B. Simon (Laboratory Director)

G001-002.20/CN_1216201.doc

ATS
299 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0450 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: 465 Dupont

Sample Date:	12/2/20
Sample Time:	10:18 AM
Sampled By:	Client
Laboratory Receipt Date:	12/16/20
Sample Matrix:	Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.65	0.02	12/18/20	19:48	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
299 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0450 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-76i

Sample Date:	12/2/20
Sample Time:	12:02 PM
Sampled By:	Client
Laboratory Receipt Date:	12/16/20
Sample Matrix:	Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.12	0.01	12/18/20	20:32	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

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ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0468 Fax. 734/995-3731
Michigan Laboratory ID: 9024
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-76s

Sample Date: 12/2/20
Sample Time: 1:22 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.23	0.01	12/18/20	22:43	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0468 Fax. 734/995-3731
Michigan Laboratory ID: 9024
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: LB-4

Sample Date: 12/3/20
Sample Time: 8:20 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.33	0.01	12/18/20	23:26	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0468 Fax. 734/995-3731
Michigan Laboratory ID: 9024
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: TW-19

Sample Date: 12/3/20
Sample Time: 8:35 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.48	0.01	12/21/20	12:18	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0468 Fax. 734/995-3731
Michigan Laboratory ID: 9024
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: TW-23

Sample Date: 12/3/20
Sample Time: 8:50 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.36	0.01	12/19/20	0:53	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
255 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0855 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: TW-21

Sample Date: 12/3/20
Sample Time: 9.00 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.19	0.01	12/19/20	1:37	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
255 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0855 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: TW-18

Sample Date: 12/3/20
Sample Time: 9:05 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.27	0.01	12/21/20	13:02	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
255 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0855 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: PW-1

Sample Date: 12/3/20
Sample Time: 9.18 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.50	0.01	12/19/20	3:04	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
255 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0855 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: DOLPH

Sample Date: 12/3/20
Sample Time: 9.10 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.16	0.01	12/19/20	3:47	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
295 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0998 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: TW-20

Sample Date: 12/3/20
Sample Time: 9:20 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.78	0.02	12/19/20	4:31	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
295 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0998 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: TW-22

Sample Date: 12/3/20
Sample Time: 9:30 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.32	0.01	12/19/20	14:16	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
295 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0998 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: TW-28

Sample Date: 12/3/20
Sample Time: 9:35 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.61	0.01	12/19/20	15:02	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
295 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0998 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-53d

Sample Date: 12/3/20
Sample Time: 10:14 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/21/20	13:47	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

290 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/955-0955 Fax. 734/955-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-53s

Sample Date: 12/3/20
Sample Time: 11:33 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/21/20	14:31	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

290 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/955-0955 Fax. 734/955-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-53i

Sample Date: 12/3/20
Sample Time: 1:22 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.063	0.001	12/19/20	17:13	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

290 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/955-0955 Fax. 734/955-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-112s

Sample Date: 12/4/20
Sample Time: 9:41 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/21/20	15:15	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

290 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/955-0955 Fax. 734/955-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-112i

Sample Date: 12/4/20
Sample Time: 10:49 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.001	0.014	12/19/20	18:39	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5000 Fax. 734/975-5731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-103d

Sample Date: 12/4/20
Sample Time: 12:21 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.006	0.001	12/19/20	19:23	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5000 Fax. 734/975-5731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-103s

Sample Date: 12/4/20
Sample Time: 1:30 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.076	0.002	12/19/20	20:07	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5000 Fax. 734/975-5731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: 4601 Park 4"

Sample Date: 12/7/20
Sample Time: 9:31 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/21/20	15:59	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5000 Fax. 734/975-5731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: 4601 Park 6"

Sample Date: 12/7/20
Sample Time: 10:49 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/21/20	16:43	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0855 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-141d

Sample Date: 12/7/20
Sample Time: 12:15 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.005	0.001	12/20/20	12:27	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0855 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-141s

Sample Date: 12/7/20
Sample Time: 1:05 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.004	0.001	12/20/20	1:11	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0855 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-127d

Sample Date: 12/8/20
Sample Time: 8:48 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/20/20	1:54	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0855 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-127s

Sample Date: 12/8/20
Sample Time: 9:59 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/20/20	2:37	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Saginaw Forest Cabin #2

Sample Date: 12/8/20
Sample Time: 11:13 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/20/20	3:21	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Saginaw Forest Cabin #1

Sample Date: 12/8/20
Sample Time: 12:26 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/20/20	4:04	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-78

Sample Date: 12/8/20
Sample Time: 1:37 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.022	0.001	12/20/20	4:48	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-125

Sample Date: 12/8/20
Sample Time: 2:50 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.24	0.01	12/20/20	5:31	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-0660 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-128d

Sample Date: 12/9/20
Sample Time: 9:37 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/20/20	6:14	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-0660 Fax. 734/975-3731
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-128s

Sample Date: 12/9/20
Sample Time: 10:49 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.003	0.001	12/20/20	6:58	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-0660 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-37

Sample Date: 12/9/20
Sample Time: 12:14 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.23	0.01	12/20/20	7:41	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-0660 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-58d

Sample Date: 12/9/20
Sample Time: 1:37 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.020	0.001	12/20/20	8:25	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5858 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-58s

Sample Date:	12/9/20
Sample Time:	2:45 PM
Sampled By:	Client
Laboratory Receipt Date:	12/16/20
Sample Matrix:	Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.25	0.02	12/21/20	17:26	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5858 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-51

Sample Date:	12/10/20
Sample Time:	10:36 AM
Sampled By:	Client
Laboratory Receipt Date:	12/16/20
Sample Matrix:	Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/20/20	11:18	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5858 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-131d

Sample Date:	12/10/20
Sample Time:	12:04 PM
Sampled By:	Client
Laboratory Receipt Date:	12/16/20
Sample Matrix:	Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/20/20	12:01	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5858 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-131s

Sample Date:	12/10/20
Sample Time:	1:22 PM
Sampled By:	Client
Laboratory Receipt Date:	12/16/20
Sample Matrix:	Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/20/20	12:45	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0998 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: A2 Cleaning Supply

Sample Date: 12/10/20
Sample Time: 1:40 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.059	0.002	12/21/20	19:38	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0998 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Red Pond

Sample Date: 12/14/20
Sample Time: 9:00 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.33	0.01	12/21/20	20:21	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0998 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-61s

Sample Date: 12/14/20
Sample Time: 11:17 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.003	0.001	12/21/20	21:05	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0998 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-61d

Sample Date: 12/14/20
Sample Time: 12:27 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.010	0.001	12/20/20	21:10	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5058 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-56d

Sample Date: 12/14/20
Sample Time: 1:52 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/20/20	21:54	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5058 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: MW-28

Sample Date: 12/14/20
Sample Time: 2:19 PM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	<0.001	0.001	12/20/20	22:37	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5058 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Outfall 001

Sample Date: 12/2/20
Sample Time: na
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.011	0.001	12/21/20	7:21	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.
Sample analyzed at native pH.

200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-5058 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Outfall 001

Sample Date: 12/3/20
Sample Time: na
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.009	0.001	12/21/20	1:33	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.
Sample analyzed at native pH.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0552 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Outfall 001

Sample Date: 12/6/20
Sample Time: na
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.008	0.001	12/21/20	2:16	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.
Sample analyzed at native pH.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0552 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Outfall 001

Sample Date: 12/7/20
Sample Time: na
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.008	0.001	12/21/20	3:00	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.
Sample analyzed at native pH.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0552 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Outfall 001

Sample Date: 12/8/20
Sample Time: na
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.006	0.001	12/21/20	18:10	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.
Sample analyzed at native pH.

ATS
200 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/995-0552 Fax. 734/995-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Outfall 001

Sample Date: 12/9/20
Sample Time: na
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.005	0.001	12/21/20	4:27	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.
Sample analyzed at native pH.

250 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-3731 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Outfall 001

Sample Date: 12/10/20
Sample Time: na
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.007	0.001	12/21/20	18:54	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.
Sample analyzed at native pH.

250 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-3731 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Outfall 001

Sample Date: 12/13/20
Sample Time: na
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.008	0.001	12/21/20	5:54	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.
Sample analyzed at native pH.

250 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-3731 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Outfall 001

Sample Date: 12/14/20
Sample Time: na
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.006	0.001	12/21/20	6:38	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.
Sample analyzed at native pH.

250 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/975-3731 Fax. 734/975-3731
Michigan Laboratory ID: 9004
Wisconsin Laboratory ID: 998321720

Organic Analysis
Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Outfall 001

Sample Date: 12/15/20
Sample Time: na
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.008	0.001	12/20/20	23:21	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.
Sample analyzed at native pH.

290 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/955-0995 Fax. 734/955-3731
Michigan Laboratory ID: 9604
Wisconsin Laboratory ID: 998321720

Organic Analysis Data Summary Sheet

For: Ms. Sue Peters
Pall Corporation
642 South Wagner Road
Ann Arbor, MI 48103

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20
ATS SRF: 1216201

Sample Identification: Red Pond

Sample Date: 12/7/20
Sample Time: 8:05 AM
Sampled By: Client
Laboratory Receipt Date: 12/16/20
Sample Matrix: Water

Parameter	Method	Units	Result	Reporting Limit	Analysis Date	Analysis Time	Analyzed By
Organic Analysis							
1,4-Dioxane	EPA 1624	mg/L	0.26	0.01	12/21/20	8:05	JEB

Comments
All methods reference USEPA methods unless otherwise noted.
na - Indicates not available / applicable.

290 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/955-0995 Fax. 734/955-3731
Michigan Laboratory ID: 9604
Wisconsin Laboratory ID: 998321720

Quality Assurance / Quality Control Data Summary

QC Batch Number: QCORG1218201
Parameter: 1,4-Dioxane (EPA 1624)

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20

Results of QA Samples run concurrently with project samples

REPLICATE ANALYSIS

Sample	Replicate #1	Replicate #2	Mean	Relative Range (percent)
#G001-002				
MW-76i 12/2/20 Matrix Spike	0.30 mg/L	0.28 mg/L	0.29 mg/L	8.3

SPIKES and/or QC CHECK SAMPLES

Sample/Analyte	Known Concentration	Spike Concentration	Analyzed Concentration	Recovery (percent)
#G001-002				
Laboratory Fortified Blank-1	<0.001 mg/L	0.010 mg/L	0.012 mg/L	119.3*
MW-76i 12/2/20 Matrix Spike	0.12 mg/L	0.20 mg/L	0.30 mg/L	92.2
MW-76i 12/2/20 Matrix Spike Duplicate	0.12 mg/L	0.20 mg/L	0.28 mg/L	80.3

BLANK ANALYSIS

Sample	Analyzed Concentration	QC Decision
#G001-002		
Laboratory Reagent Blank-1	<0.001 mg/L	Acceptable

Comments:
Calculations performed prior to rounding.

Control Limits:
Recoveries
Laboratory Control Sample Recovery (85 - 115%)
Matrix Spike Recovery (80 - 120%)
Relative Range
Replicates (<20%)

290 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/955-0995 Fax. 734/955-3731
Michigan Laboratory ID: 9604
Wisconsin Laboratory ID: 998321720

Quality Assurance / Quality Control Data Summary

QC Batch Number: QCORG1218202
Parameter: 1,4-Dioxane (EPA 1624)

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20

Results of QA Samples run concurrently with project samples

REPLICATE ANALYSIS

Sample	Replicate #1	Replicate #2	Mean	Relative Range (percent)
#G001-002				
MW-58s 12/9/20 Matrix Spike	0.44 mg/L	0.54 mg/L	0.49 mg/L	19.9

SPIKES and/or QC CHECK SAMPLES

Sample/Analyte	Known Concentration	Spike Concentration	Analyzed Concentration	Recovery (percent)
#G001-002				
Laboratory Fortified Blank-2	<0.001 mg/L	0.010 mg/L	0.011 mg/L	109.3
MW-58s 12/9/20 Matrix Spike	0.25 mg/L	0.20 mg/L	0.44 mg/L	95.3
MW-58s 12/9/20 Matrix Spike Duplicate	0.25 mg/L	0.20 mg/L	0.54 mg/L	144.4*

BLANK ANALYSIS

Sample	Analyzed Concentration	QC Decision
#G001-002		
Laboratory Reagent Blank-2	<0.001 mg/L	Acceptable

Comments:
Calculations performed prior to rounding.

Control Limits:
Recoveries
Laboratory Control Sample Recovery (85 - 115%)
Matrix Spike Recovery (80 - 120%)
Relative Range
Replicates (<20%)

290 South Wagner Road
Ann Arbor, Michigan 48103
Tel. 734/955-0995 Fax. 734/955-3731
Michigan Laboratory ID: 9604
Wisconsin Laboratory ID: 998321720

Quality Assurance / Quality Control Data Summary

QC Batch Number: QCORG1218203
Parameter: 1,4-Dioxane (EPA 1624)

ATS Project: Pall Corporation #G001-002
Report Date: 12/29/20

Results of QA Samples run concurrently with project samples

REPLICATE ANALYSIS

Sample	Replicate #1	Replicate #2	Mean	Relative Range (percent)
#G001-002				
Outfall 001 12/2/20 Matrix Spike	0.027 mg/L	0.027 mg/L	0.027 mg/L	1.3

SPIKES and/or QC CHECK SAMPLES

Sample/Analyte	Known Concentration	Spike Concentration	Analyzed Concentration	Recovery (percent)
#G001-002				
Laboratory Fortified Blank-3	<0.001 mg/L	0.010 mg/L	0.009 mg/L	86.3
Outfall 001 12/2/20 Matrix Spike	0.011 mg/L	0.020 mg/L	0.027 mg/L	80.6
Outfall 001 12/2/20 Matrix Spike Duplicate	0.011 mg/L	0.020 mg/L	0.027 mg/L	82.4

BLANK ANALYSIS

Sample	Analyzed Concentration	QC Decision
#G001-002		
Laboratory Reagent Blank-2	<0.001 mg/L	Acceptable

Comments:
Calculations performed prior to rounding.

Control Limits:
Recoveries
Laboratory Control Sample Recovery (85 - 115%)
Matrix Spike Recovery (80 - 120%)
Relative Range
Replicates (<20%)

CHAIN OF CUSTODY RECORD

Page 1 of 3

Project ID / Number: PO# 4503828293 Sue.Peters@...

Sample Custodian: Sue Peters, Gelman/Pall Life Science, 6423 S. Wagner Rd, Ann Arbor, MI

Susan E.O. Peters

Date/Time: 12/16/20 13:35

Comments: Standard turnaround time

No.	Bar Code	Date	Time	Comp	Grab	Sample Description	No. of Containers	Priority Number	1,4-Dioxane
1		12-2-20	10:18		✓	465 Dupont	1		✓
2		12-2-20	12:02		✓	MW-76i	1		✓
3		12-2-20	13:32		✓	MW-76s	1		✓
4		12-3-20	08:20		✓	LB-4	1		✓
5		12-3-20	08:25		✓	TW-19	1		✓
6		12-3-20	08:50		✓	TW-23	1		✓
7		12-3-20	09:00		✓	TW-21	1		✓
8		12-3-20	09:05		✓	TW-18	1		✓
9		12-3-20	07:18		✓	PW-1	1		✓
10		12-3-20	09:10		✓	DOLPH	1		✓
11		12-3-20	09:20		✓	TW-20	1		✓
12		12-3-20	09:30		✓	TW-22	1		✓
13		12-3-20	09:35		✓	TW-28	1		✓
14		12-3-20	10:14		✓	MW-53d	2		✓
15		12-3-20	11:33		✓	MW-53s	2		✓
16		12-3-20	13:22		✓	MW-53i	1		✓
17		12-4-20	9:41		✓	MW-112s	2		✓
18		12-4-20	10:49		✓	MW-112i	2		✓
19		12-4-20	12:31		✓	MW-103d	1		✓
20		12-4-20	13:30		✓	MW-103s	1		✓

CHAIN OF CUSTODY RECORD

Page 2 of 3

Project ID / Number: PO# 4503828293 Sue.Peters@...

Sample Custodian: Susan Peters, Gelman/Pall Life Science, 6423 S. Wagner Rd, Ann Arbor, MI

Susan E.O. Peters

Date/Time: 12-16-20 13:10

Comments: Standard Turn Around Please

No.	Bar Code	Date	Time	Comp	Grab	Sample Description	No. of Containers	Priority Number	1,4-Dioxane
1		12-7-20	9:31		✓	4601 Park 4"	2		✓
2		12-7-20	10:49		✓	4601 Park 6"	2		✓
3		12-7-20	12:15		✓	MW-141d	2		✓
4		12-7-20	13:05		✓	MW-141s	2		✓
5		12-8-20	8:48		✓	MW-127d	2		✓
6		12-8-20	9:59		✓	MW-127s	2		✓
7		12-8-20	11:13		✓	Saginaw Forest Cabin #2	2		✓
8		12-8-20	12:26		✓	Saginaw Forest Cabin #1	3		✓
9		12-8-20	13:37		✓	MW-78	1		✓
10		12-8-20	14:50		✓	MW-129	1		✓
11		12-9-20	9:57		✓	MW-128d	2		✓
12		12-9-20	10:49		✓	MW-128s	2		✓
13		12-9-20	12:14		✓	MW-37	1		✓
14		12-9-20	13:37		✓	MW-58d	1		✓
15		12-9-20	14:49		✓	MW-58s	1		✓
16		12-10-20	10:36		✓	MW-E1	2		✓
17		12-10-20	12:04		✓	MW-131d	2		✓
18		12-10-20	13:22		✓	MW-131s	2		✓
19		12-11-20	13:40		✓	A2 Cleaning Supply	1		✓
20		12-14-20	07:00		✓	Red Pond	1		✓

CHAIN OF CUSTODY RECORD

Page 3 of 3

Project ID / Number: PO# 4503828293 Sue.Peters@pall.com

Sample Custodian: Sue Peters, Gelman/Pall Life Science, 6423 S. Wagner Rd, Ann Arbor, MI

Susan E.O. Peters

Date/Time: 12-16-20 13:30

Comments: Standard Turn Around Time Please

No.	Bar Code	Date	Time	Comp	Grab	Sample Description	No. of Containers	Priority Number	1,4-Dioxane
1		12-14-20	11:17		✓	MW-61?	2		✓
2		12-14-20	12:19		✓	MW-61d	2		✓
3		12-14-20	13:52		✓	MW-16d?	2		✓
4		12-14-20	14:19		✓	MW-28	2		✓
5		12-2-20	—	✓		Outfall 001	4		✓
6		12-3-20	—	✓		Outfall 001	2		✓
7		12-6-20	—	✓		Outfall 001	2		✓
8		12-7-20	—	✓		Outfall 001	2		✓
9		12-8-20	—	✓		Outfall 001	4		✓
10		12-9-20	—	✓		Outfall 001	2		✓
11		12-10-20	—	✓		Outfall 001	2		✓
12		12-13-20	—	✓		Outfall 001	4		✓
13		12-14-20	—	✓		Outfall 001	2		✓
14		12-15-20	—	✓		Outfall 001	2		✓
16		12/7/20	0805			Red Pond A see anomaly form			

ANN ARBOR TECHNICAL SERVICES, INC.
SAMPLE RECEIPT ANOMALY FORM (rev 072010)

ATS Project Number: 6001-002

SRF Number: 121620 1

Page: 1 of 1

Analyst: JCB

Sample Identification Discrepancy

Sample Identification per COC	Sample Identification per Sample Label	Proposed Corrective Action	QA Approval (name and date)
NONE	Red Pond 12/7/20	Add to COC	12/16/20

Sample Integrity Issues

Problem Identified	Proposed Corrective Action	QA Approval (name and date)

Sample Preservation Issues

Problem Identified	Proposed Corrective Action	QA Approval (name and date)