UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Laboratory Services and Applied Science Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 21-0259
Project: 21-0259, New Indy Containerboard - Reported by Stacie Masters

June 23, 2021

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 21-0259, New Indy Containerboard

FROM: Stacie Masters
LSB Organic Chemistry Section Chief

THRU: John Deatrick, Chief
Laboratory Services Branch

TO: Christopher McHugh

Attached are the final results for the analytical groups listed below. This report shall not be reproduced except in full without approval of the Region 4 laboratory. These analyses were performed in accordance with the Laboratory Services Branch's Laboratory Operations and Quality Assurance Manual (LSB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the LSB LOQAM specifications and have been qualified by this laboratory if the applicable quality control criteria were not met. Verification is defined in Chapter 5 of the LSB LOQAM. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:	Method Used:	Accreditations:
Semi Volatile Organics (SVOA)		
Semivolatile organic compounds	EPA 8270D (Water)	ISO

Sample Disposal Policy

Due to limited space for long term sample storage, LSB's policy is to dispose of samples on a periodic schedule. Air samples collected in summa canisters will be disposed of 30 days following the issuance of this report. All other sample media including original samples, sample extracts and or digestates will be disposed of, in accordance with applicable regulations, 60 days from the date of this report.

This sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time. If samples require storage beyond the 60-day period, please contact the Sample Control Coordinator by e-mail at R4SampleCustody@epa.gov.

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SAMPLES INCLUDED IN THIS REPORT

Project: 21-0259, New Indy Containerboard

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
21-0259-052621-09	E212205-03	Industrial Proc. Wastewater	5/26/21 10:50	5/27/21 12:15
21-0259-052621-03	E212205-04	Industrial Proc. Wastewater	5/26/21 10:05	5/27/21 12:15
21-0259-052621-01	E212205-06	Industrial Eff. Wastewater	5/26/21 15:15	5/27/21 12:15

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
J	The identification of the analyte is acceptable; the reported value is an estimate.
QC-1	Analyte concentration low in continuing calibration verification standard
QS-3	Surrogate recovery is lower than established control limits.

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

ACCREDITATIONS:

ISO Accredited to ISO/IEC 17025:2017 and accreditation requirements for Forensic Science Testing Laboratories.

Refer to the certificate and scope of accreditation FT-0330 at:
http://www.epa.gov/aboutepa/about-region-4s-science-and-ecosystem-support-division-sesd

NR Not accredited for this test.

DW Accredited for conformance with ISO/IEC 17025:2017 and testing elements in the Fifth Edition of the Manual for the Certification of Laboratories Analyzing Drinking Water, EPA 815-R-05-004, 2005.

Refer to the certificate and scope of accreditation AT-2628 at:
http://www.epa.gov/aboutepa/about-region-4s-science-and-ecosystem-support-division-sesd

ISO/DW Accredited to ISO/IEC 17025:2017 and accreditation requirements for Forensic Science Testing Labs, and conformance with ISO/IEC 17025:2017 and testing elements in the Manual for the Certification of Laboratories Analyzing Drinking Water.

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Semi Volatile Organics

Project: 21-0259, New Indy Containerboard

Sample ID: 21-0259-052621-09 **Lab ID:** E212205-03

Station ID: ASB **Matrix:** Industrial Proc. Wastewater

Date Collected: 5/26/21 10:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
92-52-4	1,1-Biphenyl	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
123-91-1	1,4-Dioxane	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
90-12-0	1-Methylnaphthalene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
120-83-2	2,4-Dichlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
105-67-9	2,4-Dimethylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
51-28-5	2,4-Dinitrophenol	100	U	ug/L	100	6/02/21 9:14	6/11/21 1:20	EPA 8270D
121-14-2	2,4-Dinitrotoluene	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
606-20-2	2,6-Dinitrotoluene	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
91-58-7	2-Chloronaphthalene	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
95-57-8	2-Chlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
91-57-6	2-Methylnaphthalene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
95-48-7	2-Methylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
88-74-4	2-Nitroaniline	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
88-75-5	2-Nitrophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	50	U, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
99-09-2	3-Nitroaniline	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
106-47-8	4-Chloroaniline	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
100-01-6	4-Nitroaniline	50	U, J, QC-1, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
100-02-7	4-Nitrophenol	50	U, J, QC-1	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
83-32-9	Acenaphthene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D

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Semi Volatile Organics

Project: 21-0259, New Indy Containerboard

Sample ID: 21-0259-052621-09 **Lab ID:** E212205-03

Station ID: ASB **Matrix:** Industrial Proc. Wastewater

Date Collected: 5/26/21 10:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
208-96-8	Acenaphthylene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
98-86-2	Acetophenone	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
120-12-7	Anthracene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
1912-24-9	Atrazine	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
100-52-7	Benzaldehyde	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
56-55-3	Benzo(a)anthracene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
50-32-8	Benzo(a)pyrene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
205-99-2	Benzo(b)fluoranthene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
207-08-9	Benzo(k)fluoranthene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
100-51-6	Benzyl alcohol	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
85-68-7	Benzyl butyl phthalate	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
108-60-1	Bis(2-chloro-1-methylethyl) ether	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
105-60-2	Caprolactam	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
86-74-8	Carbazole	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
218-01-9	Chrysene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
132-64-9	Dibenzofuran	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
84-66-2	Diethyl phthalate	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
131-11-3	Dimethyl phthalate	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
84-74-2	Di-n-butylphthalate	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
117-84-0	Di-n-octylphthalate	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
206-44-0	Fluoranthene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
86-73-7	Fluorene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D

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Semi Volatile Organics

Project: 21-0259, New Indy Containerboard

Sample ID: 21-0259-052621-09 **Lab ID:** E212205-03

Station ID: ASB **Matrix:** Industrial Proc. Wastewater

Date Collected: 5/26/21 10:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-72-1	Hexachloroethane	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
78-59-1	Isophorone	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
91-20-3	Naphthalene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
98-95-3	Nitrobenzene	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	50	U, J, QS-3	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
87-86-5	Pentachlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
85-01-8	Phenanthrene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D
108-95-2	Phenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:20	EPA 8270D
129-00-0	Pyrene	10	U, J, QS-3	ug/L	10	6/02/21 9:14	6/11/21 1:20	EPA 8270D

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Semi Volatile Organics

Project: 21-0259, New Indy Containerboard

Sample ID: 21-0259-052621-03 **Lab ID:** E212205-04

Station ID: ASB INLET **Matrix:** Industrial Proc. Wastewater

Date Collected: 5/26/21 10:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
92-52-4	1,1-Biphenyl	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
123-91-1	1,4-Dioxane	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
90-12-0	1-Methylnaphthalene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
120-83-2	2,4-Dichlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
105-67-9	2,4-Dimethylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
51-28-5	2,4-Dinitrophenol	100	U	ug/L	100	6/02/21 9:14	6/11/21 1:51	EPA 8270D
121-14-2	2,4-Dinitrotoluene	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
606-20-2	2,6-Dinitrotoluene	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
91-58-7	2-Chloronaphthalene	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
95-57-8	2-Chlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
91-57-6	2-Methylnaphthalene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
95-48-7	2-Methylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
88-74-4	2-Nitroaniline	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
88-75-5	2-Nitrophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
99-09-2	3-Nitroaniline	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
106-47-8	4-Chloroaniline	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
100-01-6	4-Nitroaniline	50	U, J, QC-1	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
100-02-7	4-Nitrophenol	50	U, J, QC-1	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
83-32-9	Acenaphthene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D

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Project: 21-0259, New Indy Containerboard - Reported by Stacie Masters

Semi Volatile Organics

Project: 21-0259, New Indy Containerboard

Sample ID: 21-0259-052621-03 **Lab ID:** E212205-04

Station ID: ASB INLET **Matrix:** Industrial Proc. Wastewater

Date Collected: 5/26/21 10:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
208-96-8	Acenaphthylene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
98-86-2	Acetophenone	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
120-12-7	Anthracene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
1912-24-9	Atrazine	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
100-52-7	Benzaldehyde	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
56-55-3	Benzo(a)anthracene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
50-32-8	Benzo(a)pyrene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
205-99-2	Benzo(b)fluoranthene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
207-08-9	Benzo(k)fluoranthene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
100-51-6	Benzyl alcohol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
85-68-7	Benzyl butyl phthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
108-60-1	Bis(2-chloro-1-methylethyl) ether	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
105-60-2	Caprolactam	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
86-74-8	Carbazole	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
218-01-9	Chrysene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
132-64-9	Dibenzofuran	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
84-66-2	Diethyl phthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
131-11-3	Dimethyl phthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
84-74-2	Di-n-butylphthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
117-84-0	Di-n-octylphthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
206-44-0	Fluoranthene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
86-73-7	Fluorene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Laboratory Services and Applied Science Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 21-0259
Project: 21-0259, New Indy Containerboard - Reported by Stacie Masters

Semi Volatile Organics

Project: 21-0259, New Indy Containerboard

Sample ID: 21-0259-052621-03 **Lab ID:** E212205-04

Station ID: ASB INLET **Matrix:** Industrial Proc. Wastewater

Date Collected: 5/26/21 10:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-72-1	Hexachloroethane	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
78-59-1	Isophorone	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
91-20-3	Naphthalene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
98-95-3	Nitrobenzene	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
87-86-5	Pentachlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
85-01-8	Phenanthrene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D
108-95-2	Phenol	130		ug/L	50	6/02/21 9:14	6/11/21 1:51	EPA 8270D
129-00-0	Pyrene	10	U	ug/L	10	6/02/21 9:14	6/11/21 1:51	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Laboratory Services and Applied Science Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 21-0259
Project: 21-0259, New Indy Containerboard - Reported by Stacie Masters

Semi Volatile Organics

Project: 21-0259, New Indy Containerboard

Sample ID: 21-0259-052621-01 **Lab ID:** E212205-06

Station ID: EFF001 **Matrix:** Industrial Eff. Wastewater

Date Collected: 5/26/21 15:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
92-52-4	1,1-Biphenyl	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
123-91-1	1,4-Dioxane	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
90-12-0	1-Methylnaphthalene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
120-83-2	2,4-Dichlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
105-67-9	2,4-Dimethylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
51-28-5	2,4-Dinitrophenol	100	U	ug/L	100	6/02/21 9:14	6/11/21 2:23	EPA 8270D
121-14-2	2,4-Dinitrotoluene	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
606-20-2	2,6-Dinitrotoluene	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
91-58-7	2-Chloronaphthalene	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
95-57-8	2-Chlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
91-57-6	2-Methylnaphthalene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
95-48-7	2-Methylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
88-74-4	2-Nitroaniline	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
88-75-5	2-Nitrophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
99-09-2	3-Nitroaniline	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
106-47-8	4-Chloroaniline	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
100-01-6	4-Nitroaniline	50	U, J, QC-1	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
100-02-7	4-Nitrophenol	50	U, J, QC-1	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
83-32-9	Acenaphthene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Laboratory Services and Applied Science Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 21-0259
Project: 21-0259, New Indy Containerboard - Reported by Stacie Masters

Semi Volatile Organics

Project: 21-0259, New Indy Containerboard

Sample ID: 21-0259-052621-01 **Lab ID:** E212205-06

Station ID: EFF001 **Matrix:** Industrial Eff. Wastewater

Date Collected: 5/26/21 15:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
208-96-8	Acenaphthylene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
98-86-2	Acetophenone	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
120-12-7	Anthracene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
1912-24-9	Atrazine	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
100-52-7	Benzaldehyde	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
56-55-3	Benzo(a)anthracene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
50-32-8	Benzo(a)pyrene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
205-99-2	Benzo(b)fluoranthene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
207-08-9	Benzo(k)fluoranthene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
100-51-6	Benzyl alcohol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
85-68-7	Benzyl butyl phthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
108-60-1	Bis(2-chloro-1-methylethyl) ether	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
105-60-2	Caprolactam	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
86-74-8	Carbazole	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
218-01-9	Chrysene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
132-64-9	Dibenzofuran	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
84-66-2	Diethyl phthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
131-11-3	Dimethyl phthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
84-74-2	Di-n-butylphthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
117-84-0	Di-n-octylphthalate	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
206-44-0	Fluoranthene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
86-73-7	Fluorene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Laboratory Services and Applied Science Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 21-0259
Project: 21-0259, New Indy Containerboard - Reported by Stacie Masters

Semi Volatile Organics

Project: 21-0259, New Indy Containerboard

Sample ID: 21-0259-052621-01 **Lab ID:** E212205-06

Station ID: EFF001 **Matrix:** Industrial Eff. Wastewater

Date Collected: 5/26/21 15:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-72-1	Hexachloroethane	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
78-59-1	Isophorone	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
91-20-3	Naphthalene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
98-95-3	Nitrobenzene	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
87-86-5	Pentachlorophenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
85-01-8	Phenanthrene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D
108-95-2	Phenol	50	U	ug/L	50	6/02/21 9:14	6/11/21 2:23	EPA 8270D
129-00-0	Pyrene	10	U	ug/L	10	6/02/21 9:14	6/11/21 2:23	EPA 8270D

Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106003 - E 3520 LLE										
Blank (2106003-BLK1)				Prepared: 06/01/21 Analyzed: 06/10/21						
EPA 8270D										
(3-and/or 4-)Methylphenol	U	10	ug/L							U
1,1-Biphenyl	U	2.0	"							U
1,4-Dioxane	U	2.0	"							U
1-Methylnaphthalene	U	2.0	"							U
2,3,4,6-Tetrachlorophenol	U	10	"							U
2,4,5-Trichlorophenol	U	10	"							U
2,4,6-Trichlorophenol	U	10	"							U
2,4-Dichlorophenol	U	10	"							U
2,4-Dimethylphenol	U	10	"							U
2,4-Dinitrophenol	U	20	"							U
2,4-Dinitrotoluene	U	10	"							U
2,6-Dinitrotoluene	U	10	"							U
2-Chloronaphthalene	U	10	"							U
2-Chlorophenol	U	10	"							U
2-Methyl-4,6-dinitrophenol	U	10	"							U
2-Methylnaphthalene	U	2.0	"							U
2-Methylphenol	U	10	"							U
2-Nitroaniline	U	10	"							U
2-Nitrophenol	U	10	"							U
3,3'-Dichlorobenzidine	U	10	"							U
3-Nitroaniline	U	10	"							U
4-Bromophenyl phenyl ether	U	10	"							U
4-Chloro-3-methylphenol	U	10	"							U
4-Chloroaniline	U	10	"							U
4-Chlorophenyl phenyl ether	U	10	"							U
4-Nitroaniline	U	10	"							QC-1, U
4-Nitrophenol	U	10	"							QC-1, U
Acenaphthene	U	2.0	"							U
Acenaphthylene	U	2.0	"							U
Acetophenone	U	10	"							U
Anthracene	U	2.0	"							U
Atrazine	U	10	"							U
Benzaldehyde	U	10	"							U
Benzo(a)anthracene	U	2.0	"							U
Benzo(a)pyrene	U	2.0	"							U
Benzo(b)fluoranthene	U	2.0	"							U
Benzo(g,h,i)perylene	U	2.0	"							U
Benzo(k)fluoranthene	U	2.0	"							U
Benzyl alcohol	U	10	"							U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Laboratory Services and Applied Science Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 21-0259
Project: 21-0259, New Indy Containerboard - Reported by Stacie Masters

Semi Volatile Organics (SVOA) - Quality Control
US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106003 - E 3520 LLE										
Blank (2106003-BLK1)				Prepared: 06/01/21 Analyzed: 06/10/21						
Benzyl butyl phthalate	U	10	ug/L							U
Bis(2-chloro-1-methylethyl) ether	U	10	"							U
Bis(2-chloroethoxy)methane	U	10	"							U
bis(2-Chloroethyl) Ether	U	10	"							U
Bis(2-ethylhexyl) phthalate	U	10	"							U
Caprolactam	U	10	"							U
Carbazole	U	2.0	"							U
Chrysene	U	2.0	"							U
Dibenz(a,h)anthracene	U	2.0	"							U
Dibenzofuran	U	2.0	"							U
Diethyl phthalate	U	10	"							U
Dimethyl phthalate	U	10	"							U
Di-n-butylphthalate	U	10	"							U
Di-n-octylphthalate	U	10	"							U
Fluoranthene	U	2.0	"							U
Fluorene	U	2.0	"							U
Hexachlorobenzene (HCB)	U	10	"							U
Hexachlorocyclopentadiene (HCCP)	U	10	"							U
Hexachloroethane	U	10	"							U
Indeno (1,2,3-cd) pyrene	U	2.0	"							U
Isophorone	U	10	"							U
Naphthalene	U	2.0	"							U
Nitrobenzene	U	10	"							U
n-Nitroso di-n-Propylamine	U	10	"							U
n-Nitrosodiphenylamine/Diphenylamine	U	10	"							U
Pentachlorophenol	U	10	"							U
Phenanthrene	U	2.0	"							U
Phenol	U	10	"							U
Pyrene	U	2.0	"							U

Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106003 - E 3520 LLE										
LCS (2106003-BS1)				Prepared: 06/01/21 Analyzed: 06/10/21						
EPA 8270D										
(3-and/or 4-)Methylphenol	43.190	10	ug/L	60.000		72.0	55-111			
1,1-Biphenyl	44.470	2.0	"	60.000		74.1	51-118			
1,4-Dioxane	30.760	2.0	"	60.000		51.3	41-89			
1-Methylnaphthalene	48.750	2.0	"	60.000		81.2	61-127			
2,3,4,6-Tetrachlorophenol	57.870	10	"	60.000		96.4	45-134			
2,4,5-Trichlorophenol	53.670	10	"	60.000		89.4	56-131			
2,4,6-Trichlorophenol	53.760	10	"	60.000		89.6	56-128			
2,4-Dichlorophenol	56.670	10	"	60.000		94.4	63-123			
2,4-Dimethylphenol	35.120	10	"	60.000		58.5	44-106			
2,4-Dinitrophenol	112.35	20	"	120.00		93.6	49-128			
2,4-Dinitrotoluene	56.230	10	"	60.000		93.7	58-125			
2,6-Dinitrotoluene	56.160	10	"	60.000		93.6	60-122			
2-Chloronaphthalene	50.960	10	"	60.000		84.9	53-115			
2-Chlorophenol	43.300	10	"	60.000		72.2	55-117			
2-Methyl-4,6-dinitrophenol	55.700	10	"	60.000		92.8	62-125			
2-Methylnaphthalene	48.860	2.0	"	60.000		81.4	56-115			
2-Methylphenol	39.920	10	"	60.000		66.5	52-111			
2-Nitroaniline	41.180	10	"	60.000		68.6	58-121			
2-Nitrophenol	50.550	10	"	60.000		84.2	58-126			
3,3'-Dichlorobenzidine	57.390	10	"	60.000		95.6	10-144			QC-2, QC-4, X-6
3-Nitroaniline	53.640	10	"	60.000		89.4	38-141			
4-Bromophenyl phenyl ether	67.610	10	"	60.000		113	61-117			
4-Chloro-3-methylphenol	47.340	10	"	60.000		78.9	64-122			
4-Chloroaniline	28.110	10	"	60.000		46.8	18-102			
4-Chlorophenyl phenyl ether	61.340	10	"	60.000		102	55-117			
4-Nitroaniline	59.960	10	"	60.000		99.9	15-185			QC-1
4-Nitrophenol	31.590	10	"	60.000		52.6	38-130			QC-1
Acenaphthene	45.280	2.0	"	60.000		75.5	53-115			
Acenaphthylene	45.440	2.0	"	60.000		75.7	53-118			
Acetophenone	48.620	10	"	60.000		81.0	60-112			
Anthracene	46.710	2.0	"	60.000		77.8	65-110			
Atrazine	52.280	10	"	60.000		87.1	53-128			
Benzaldehyde	93.510	10	"	60.000		156	55-152			QC-2, QL-2
Benzo(a)anthracene	42.110	2.0	"	60.000		70.2	52-121			
Benzo(a)pyrene	44.520	2.0	"	60.000		74.2	60-115			
Benzo(b)fluoranthene	44.570	2.0	"	60.000		74.3	58-117			
Benzo(g,h,i)perylene	35.850	2.0	"	60.000		59.8	45-101			

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Laboratory Services and Applied Science Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 21-0259
Project: 21-0259, New Indy Containerboard - Reported by Stacie Masters

Semi Volatile Organics (SVOA) - Quality Control
US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106003 - E 3520 LLE										
LCS (2106003-BS1)				Prepared: 06/01/21 Analyzed: 06/10/21						
Benzo(k)fluoranthene	46.540	2.0	ug/L	60.000		77.6	64-124			
Benzyl alcohol	37.540	10	"	60.000		62.6	49-114			
Benzyl butyl phthalate	46.320	10	"	60.000		77.2	58-129			
Bis(2-chloro-1-methylethyl) ether	55.560	10	"	60.000		92.6	55-113			
Bis(2-chloroethoxy)methane	44.930	10	"	60.000		74.9	59-115			
bis(2-Chloroethyl) Ether	44.460	10	"	60.000		74.1	53-117			
Bis(2-ethylhexyl) phthalate	42.600	10	"	60.000		71.0	56-130			
Caprolactam	29.580	10	"	60.000		49.3	33-94			
Carbazole	50.660	2.0	"	60.000		84.4	68-114			
Chrysene	44.700	2.0	"	60.000		74.5	58-122			
Dibenz(a,h)anthracene	32.150	2.0	"	60.000		53.6	46-113			
Dibenzofuran	48.120	2.0	"	60.000		80.2	50-133			
Diethyl phthalate	52.890	10	"	60.000		88.2	61-118			
Dimethyl phthalate	54.780	10	"	60.000		91.3	58-120			
Di-n-butylphthalate	53.210	10	"	60.000		88.7	63-117			
Di-n-octylphthalate	47.810	10	"	60.000		79.7	60-125			
Fluoranthene	50.680	2.0	"	60.000		84.5	68-113			
Fluorene	51.140	2.0	"	60.000		85.2	60-117			
Hexachlorobenzene (HCB)	64.050	10	"	60.000		107	56-120			
Hexachlorocyclopentadiene (HCCP)	41.860	10	"	60.000		69.8	18-103			
Hexachloroethane	40.810	10	"	60.000		68.0	35-105			
Indeno (1,2,3-cd) pyrene	38.850	2.0	"	60.000		64.8	47-110			
Isophorone	42.850	10	"	60.000		71.4	60-114			
Naphthalene	46.290	2.0	"	60.000		77.2	55-113			
Nitrobenzene	40.770	10	"	60.000		68.0	59-114			
n-Nitroso di-n-Propylamine	39.300	10	"	60.000		65.5	58-113			
n-Nitrosodiphenylamine/Diphenylamine	54.570	10	"	60.000		91.0	65-115			
Pentachlorophenol	64.300	10	"	60.000		107	47-122			
Phenanthrene	46.440	2.0	"	60.000		77.4	63-111			
Phenol	33.480	10	"	60.000		55.8	47-104			
Pyrene	40.450	2.0	"	60.000		67.4	48-129			

Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106003 - E 3520 LLE										
LCS Dup (2106003-BSD1)				Prepared: 06/01/21 Analyzed: 06/11/21						
EPA 8270D										
(3-and/or 4-)Methylphenol	42.090	10	ug/L	60.000		70.2	55-111	2.58	30	
1,1-Biphenyl	44.600	2.0	"	60.000		74.3	51-118	0.292	18	
1,4-Dioxane	31.960	2.0	"	60.000		53.3	41-89	3.83	50	
1-Methylnaphthalene	48.320	2.0	"	60.000		80.5	61-127	0.886	21	
2,3,4,6-Tetrachlorophenol	57.050	10	"	60.000		95.1	45-134	1.43	12	
2,4,5-Trichlorophenol	52.660	10	"	60.000		87.8	56-131	1.90	14	
2,4,6-Trichlorophenol	52.690	10	"	60.000		87.8	56-128	2.01	16	
2,4-Dichlorophenol	54.830	10	"	60.000		91.4	63-123	3.30	25	
2,4-Dimethylphenol	33.160	10	"	60.000		55.3	44-106	5.74	27	
2,4-Dinitrophenol	113.40	20	"	120.00		94.5	49-128	0.930	17	
2,4-Dinitrotoluene	54.210	10	"	60.000		90.4	58-125	3.66	10	
2,6-Dinitrotoluene	55.330	10	"	60.000		92.2	60-122	1.49	12	
2-Chloronaphthalene	49.890	10	"	60.000		83.2	53-115	2.12	19	
2-Chlorophenol	42.010	10	"	60.000		70.0	55-117	3.02	35	
2-Methyl-4,6-dinitrophenol	54.710	10	"	60.000		91.2	62-125	1.79	12	
2-Methylnaphthalene	48.130	2.0	"	60.000		80.2	56-115	1.51	22	
2-Methylphenol	38.570	10	"	60.000		64.3	52-111	3.44	33	
2-Nitroaniline	40.250	10	"	60.000		67.1	58-121	2.28	13	
2-Nitrophenol	48.380	10	"	60.000		80.6	58-126	4.39	28	
3,3'-Dichlorobenzidine	56.450	10	"	60.000		94.1	10-144	1.65	53	QC-2, QC-4, X-6
3-Nitroaniline	54.730	10	"	60.000		91.2	38-141	2.01	19	
4-Bromophenyl phenyl ether	69.310	10	"	60.000		116	61-117	2.48	12	
4-Chloro-3-methylphenol	45.880	10	"	60.000		76.5	64-122	3.13	17	
4-Chloroaniline	28.900	10	"	60.000		48.2	18-102	2.77	49	
4-Chlorophenyl phenyl ether	63.390	10	"	60.000		106	55-117	3.29	17	
4-Nitroaniline	58.530	10	"	60.000		97.6	15-185	2.41	19	QC-1
4-Nitrophenol	31.690	10	"	60.000		52.8	38-130	0.316	23	QC-1
Acenaphthene	45.880	2.0	"	60.000		76.5	53-115	1.32	14	
Acenaphthylene	45.530	2.0	"	60.000		75.9	53-118	0.198	14	
Acetophenone	46.700	10	"	60.000		77.8	60-112	4.03	27	
Anthracene	47.760	2.0	"	60.000		79.6	65-110	2.22	10	
Atrazine	49.840	10	"	60.000		83.1	53-128	4.78	22	
Benzaldehyde	94.360	10	"	60.000		157	55-152	0.905	28	QC-2, QL-2
Benzo(a)anthracene	42.060	2.0	"	60.000		70.1	52-121	0.119	10	
Benzo(a)pyrene	45.260	2.0	"	60.000		75.4	60-115	1.65	10	
Benzo(b)fluoranthene	48.420	2.0	"	60.000		80.7	58-117	8.28	22	
Benzo(g,h,i)perylene	36.980	2.0	"	60.000		61.6	45-101	3.10	20	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Semi Volatile Organics (SVOA) - Quality Control
US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106003 - E 3520 LLE										
LCS Dup (2106003-BSD1)				Prepared: 06/01/21 Analyzed: 06/11/21						
Benzo(k)fluoranthene	45.350	2.0	ug/L	60.000		75.6	64-124	2.59	19	
Benzyl alcohol	37.640	10	"	60.000		62.7	49-114	0.266	34	
Benzyl butyl phthalate	45.910	10	"	60.000		76.5	58-129	0.889	10	
Bis(2-chloro-1-methylethyl) ether	53.770	10	"	60.000		89.6	55-113	3.27	20	
Bis(2-chloroethoxy)methane	43.380	10	"	60.000		72.3	59-115	3.51	25	
bis(2-Chloroethyl) Ether	42.730	10	"	60.000		71.2	53-117	3.97	24	
Bis(2-ethylhexyl) phthalate	42.090	10	"	60.000		70.2	56-130	1.20	39	
Caprolactam	31.260	10	"	60.000		52.1	33-94	5.52	36	
Carbazole	49.820	2.0	"	60.000		83.0	68-114	1.67	14	
Chrysene	45.070	2.0	"	60.000		75.1	58-122	0.824	10	
Dibenz(a,h)anthracene	33.250	2.0	"	60.000		55.4	46-113	3.36	20	
Dibenzofuran	48.470	2.0	"	60.000		80.8	50-133	0.725	13	
Diethyl phthalate	51.010	10	"	60.000		85.0	61-118	3.62	10	
Dimethyl phthalate	52.640	10	"	60.000		87.7	58-120	3.98	11	
Di-n-butylphthalate	52.740	10	"	60.000		87.9	63-117	0.887	11	
Di-n-octylphthalate	47.090	10	"	60.000		78.5	60-125	1.52	12	
Fluoranthene	51.820	2.0	"	60.000		86.4	68-113	2.22	10	
Fluorene	52.260	2.0	"	60.000		87.1	60-117	2.17	12	
Hexachlorobenzene (HCB)	66.140	10	"	60.000		110	56-120	3.21	12	
Hexachlorocyclopentadiene (HCCP)	42.130	10	"	60.000		70.2	18-103	0.643	32	
Hexachloroethane	38.560	10	"	60.000		64.3	35-105	5.67	45	
Indeno (1,2,3-cd) pyrene	39.610	2.0	"	60.000		66.0	47-110	1.94	20	
Isophorone	41.370	10	"	60.000		69.0	60-114	3.51	20	
Naphthalene	44.710	2.0	"	60.000		74.5	55-113	3.47	27	
Nitrobenzene	39.360	10	"	60.000		65.6	59-114	3.52	29	
n-Nitroso di-n-Propylamine	37.540	10	"	60.000		62.6	58-113	4.58	24	
n-Nitrosodiphenylamine/Diphenylamine	53.000	10	"	60.000		88.3	65-115	2.92	10	
Pentachlorophenol	63.520	10	"	60.000		106	47-122	1.22	11	
Phenanthrene	47.380	2.0	"	60.000		79.0	63-111	2.00	10	
Phenol	33.990	10	"	60.000		56.6	47-104	1.51	38	
Pyrene	40.260	2.0	"	60.000		67.1	48-129	0.471	10	

Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106003 - E 3520 LLE										
MRL Verification (2106003-PS1)				Prepared: 06/01/21 Analyzed: 06/11/21						
EPA 8270D										
(3-and/or 4-)Methylphenol	5.6900	10	ug/L	10.000		56.9	48-105			MRL-2, J
1,1-Biphenyl	1.1300	2.0	"	2.0000		56.5	50-104			MRL-2, J
1,4-Dioxane	0.83000	2.0	"	2.0000		41.5	14-110			MRL-2, J
1-Methylnaphthalene	1.2200	2.0	"	2.0000		61.0	56-117			MRL-2, J
2,3,4,6-Tetrachlorophenol	8.5700	10	"	10.000		85.7	31-111			MRL-2, J
2,4,5-Trichlorophenol	6.6500	10	"	10.000		66.5	42-115			MRL-2, J
2,4,6-Trichlorophenol	7.1600	10	"	10.000		71.6	47-110			MRL-2, J
2,4-Dichlorophenol	7.4900	10	"	10.000		74.9	49-116			MRL-2, J
2,4-Dimethylphenol	4.7900	10	"	10.000		47.9	16-111			MRL-2, J
2,4-Dinitrophenol	17.180	20	"	20.000		85.9	10-124			MRL-2, J
2,4-Dinitrotoluene	7.6300	10	"	10.000		76.3	53-108			MRL-2, J
2,6-Dinitrotoluene	7.6800	10	"	10.000		76.8	55-106			MRL-2, J
2-Chloronaphthalene	6.7300	10	"	10.000		67.3	51-104			MRL-2, J
2-Chlorophenol	6.4700	10	"	10.000		64.7	46-111			MRL-2, J
2-Methyl-4,6-dinitrophenol	8.6600	10	"	10.000		86.6	26-116			MRL-2, J
2-Methylnaphthalene	1.2300	2.0	"	2.0000		61.5	51-106			MRL-2, J
2-Methylphenol	5.8200	10	"	10.000		58.2	42-108			MRL-2, J
2-Nitroaniline	5.4700	10	"	10.000		54.7	48-109			MRL-2, J
2-Nitrophenol	7.1600	10	"	10.000		71.6	46-120			MRL-2, J
3,3'-Dichlorobenzidine	5.5900	10	"	10.000		55.9	10-103			MRL-2, QC-2, J
3-Nitroaniline	7.8100	10	"	10.000		78.1	28-118			MRL-2, J
4-Bromophenyl phenyl ether	9.0400	10	"	10.000		90.4	58-106			MRL-2, J
4-Chloro-3-methylphenol	6.3800	10	"	10.000		63.8	49-118			MRL-2, J
4-Chloroaniline	4.7500	10	"	10.000		47.5	20-85			MRL-2, J
4-Chlorophenyl phenyl ether	7.5700	10	"	10.000		75.7	49-102			MRL-2, J
4-Nitroaniline	9.7300	10	"	10.000		97.3	10-165			MRL-2, QC-1, J
4-Nitrophenol	4.6100	10	"	10.000		46.1	11-116			MRL-2, QC-1, J
Acenaphthene	1.1500	2.0	"	2.0000		57.5	51-100			MRL-2, J
Acenaphthylene	1.2100	2.0	"	2.0000		60.5	52-104			MRL-2, J
Acetophenone	6.2600	10	"	10.000		62.6	56-108			MRL-2, J
Anthracene	1.2900	2.0	"	2.0000		64.5	48-108			MRL-2, J
Atrazine	7.0700	10	"	10.000		70.7	46-126			MRL-2, J
Benzaldehyde	14.180	10	"	10.000		142	40-169			MRL-2, QC-2
Benzo(a)anthracene	1.4200	2.0	"	2.0000		71.0	52-117			MRL-2, J
Benzo(a)pyrene	1.4000	2.0	"	2.0000		70.0	48-116			MRL-2, J
Benzo(b)fluoranthene	1.8000	2.0	"	2.0000		90.0	31-142			MRL-2, J
Benzo(g,h,i)perylene	1.2400	2.0	"	2.0000		62.0	37-115			MRL-2, J

Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2106003 - E 3520 LLE										
MRL Verification (2106003-PS1)				Prepared: 06/01/21 Analyzed: 06/11/21						
Benzo(k)fluoranthene	1.5000	2.0	ug/L	2.0000		75.0	29-145			MRL-2, J
Benzyl alcohol	4.8500	10	"	10.000		48.5	12-133			MRL-2, J
Benzyl butyl phthalate	7.7200	10	"	10.000		77.2	60-136			MRL-2, J
Bis(2-chloro-1-methylethyl) ether	8.3400	10	"	10.000		83.4	48-107			MRL-2, J
Bis(2-chloroethoxy)methane	5.8700	10	"	10.000		58.7	53-107			MRL-2, J
bis(2-Chloroethyl) Ether	6.2300	10	"	10.000		62.3	47-104			MRL-2, J
Bis(2-ethylhexyl) phthalate	7.8300	10	"	10.000		78.3	19-179			MRL-2, J
Caprolactam	5.8600	10	"	10.000		58.6	32-87			MRL-2, J
Carbazole	1.4600	2.0	"	2.0000		73.0	67-119			MRL-2, J
Chrysene	1.5700	2.0	"	2.0000		78.5	55-116			MRL-2, J
Dibenz(a,h)anthracene	0.99000	2.0	"	2.0000		49.5	33-118			MRL-2, J
Dibenzofuran	1.3100	2.0	"	2.0000		65.5	53-113			MRL-2, J
Diethyl phthalate	7.0200	10	"	10.000		70.2	53-129			MRL-2, J
Dimethyl phthalate	7.5300	10	"	10.000		75.3	59-107			MRL-2, J
Di-n-butylphthalate	10.050	10	"	10.000		100	69-139			MRL-2
Di-n-octylphthalate	7.8700	10	"	10.000		78.7	62-129			MRL-2, J
Fluoranthene	1.4000	2.0	"	2.0000		70.0	60-112			MRL-2, J
Fluorene	1.2200	2.0	"	2.0000		61.0	55-101			MRL-2, J
Hexachlorobenzene (HCB)	8.7300	10	"	10.000		87.3	50-105			MRL-2, J
Hexachlorocyclopentadiene (HCCP)	7.1300	10	"	10.000		71.3	10-85			MRL-2, J
Hexachloroethane	5.7400	10	"	10.000		57.4	26-89			MRL-2, J
Indeno (1,2,3-cd) pyrene	1.2800	2.0	"	2.0000		64.0	37-114			MRL-2, J
Isophorone	5.8300	10	"	10.000		58.3	54-108			MRL-2, J
Naphthalene	1.2600	2.0	"	2.0000		63.0	38-137			MRL-2, J
Nitrobenzene	5.6900	10	"	10.000		56.9	54-110			MRL-2, J
n-Nitroso di-n-Propylamine	5.5100	10	"	10.000		55.1	49-106			MRL-2, J
n-Nitrosodiphenylamine/Diphenylamine	7.2700	10	"	10.000		72.7	55-107			MRL-2, J
Pentachlorophenol	10.040	10	"	10.000		100	20-136			MRL-2
Phenanthrene	1.2800	2.0	"	2.0000		64.0	55-115			MRL-2, J
Phenol	5.2000	10	"	10.000		52.0	44-97			MRL-2, J
Pyrene	1.3800	2.0	"	2.0000		69.0	51-122			MRL-2, J

Notes and Definitions for QC Samples

U	The analyte was not detected at or above the reporting limit.
J	The identification of the analyte is acceptable; the reported value is an estimate.
MRL-2	MRL verification for Non-Potable Water matrix
QC-1	Analyte concentration low in continuing calibration verification standard
QC-2	Analyte concentration high in continuing calibration verification standard
QC-4	Result greater than the highest point on the calibration curve
QL-2	Laboratory Control Spike Recovery greater than method control limits
X-6	Exclude value from QC data base. Refer to custom remark for details.