

From: Schmitt, Marshall A. <maschmitt@energy-northwest.com>
Sent: Thursday, December 1, 2022 12:13 PM
To: Ritchie Graves - NOAA Federal
Cc: Briana Arlene; EndangeredSpecies Resource; Barfuss, Brad C.; Ramos, Mary Joy.; Hildman, Cynthia M.; Byers, Kristopher R.
Subject: [External_Sender] Energy Northwest Columbia Generating Station 2022 Priority Pollutant Discharge Monitoring Report
Attachments: GO2-22-118.pdf

Mr. Graves,

Condition 2.9.4(4)(a) of the Endangered Species Act 7(a)(2) Biological Opinion requires Energy Northwest to send a copy of reports submitted pursuant to NPDES Permit WA002515-1 to National Marine Fisheries Service (NMFS) and copy to the Nuclear Regulatory Commission (NRC). Please find the attached Columbia Generating Station Annual 2022 Priority Pollutant Discharge Monitoring Report (DMR). This letter and enclosed report are being provided as an electronic transmittal and the DMR has been submitted electronically to the State of Washington Department of Ecology (Ecology) via Ecology's Online Reporting System.

If you have any questions about this report, please contact me at (509) 372-5334 or maschmitt@energy-northwest.com

Sincerely,

Marshall Schmitt | Environmental Scientist
Energy Northwest
Environmental and Regulatory Programs
509-372-5334 | maschmitt@energy-northwest.com

Hearing Identifier: NRR_DRMA
Email Number: 1863

Mail Envelope Properties (SA0PR09MB69699627BA0D7AA7BE7CADD90149)

Subject: [External_Sender] Energy Northwest Columbia Generating Station 2022 Priority Pollutant Discharge Monitoring Report
Sent Date: 12/1/2022 12:12:50 PM
Received Date: 12/1/2022 12:13:59 PM
From: Schmitt, Marshall A.

Created By: maschmitt@energy-northwest.com

Recipients:

"Briana Arlene" <briana.arlene@nrc.gov>
Tracking Status: None
"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>
Tracking Status: None
"Barfuss, Brad C." <bcbarfuss@energy-northwest.com>
Tracking Status: None
"Ramos, Mary Joy." <mjoyramos@energy-northwest.com>
Tracking Status: None
"Hildman, Cynthia M." <cmhildman@energy-northwest.com>
Tracking Status: None
"Byers, Kristopher R." <krybyers@energy-northwest.com>
Tracking Status: None
"Ritchie Graves - NOAA Federal" <ritchie.graves@noaa.gov>
Tracking Status: None

Post Office: SA0PR09MB6969.namprd09.prod.outlook.com

Files	Size	Date & Time
MESSAGE	961	12/1/2022 12:13:59 PM
GO2-22-118.pdf	6875081	

Options

Priority: Normal
Return Notification: Yes
Reply Requested: No
Sensitivity: Normal
Expiration Date:



INTEROFFICE MEMO

GO2-22-118

DIC: 1316.20

DATE: November 17, 2022
TO: Columbia Generating Station, (CGS)
FROM: Jane LePage, (1025)
SUBJECT: COLUMBIA GENERATING STATION
NPDES 2022 ANNUAL PRIORITY POLLUTANT
DISCHARGE MONITORING REPORT

REFERENCE: NPDES Permit No. WA 002515-1 Condition S3.A

On September 6, 2022, Columbia Generating Station collected a 24-hr composite sample and grab samples of the circulating water blowdown (CWBD) water for annual priority pollutant testing in accordance with special condition S2.A of Permit No. WA002515-1. Please find attached the NPDES Discharge Monitoring Report (DMR) for 2022 annual priority pollutant analysis. The report will be submitted electronically to the State of Washington Department of Ecology (Ecology) via Ecology's Online Reporting System.

If you have any questions concerning this information, please contact MA Schmitt at (509) 372-5334.

Enclosures: 1-Discharge Monitoring Report (DMR) for annual sample
2-Reports of Analysis NPDES annual priority pollutant sample
3-Edge Analytical, Burlington WA Scope of Accreditation
4-Anatek Labs, Inc., Moscow ID Scope of Accreditation
5-Pace Analytical, MN Scope of Accreditation

CC:

National Marine Fisheries Service (NMFS)

Richie.Graves@noaa.gov

Columbia Hydropower Branch

National Marine Fisheries Service

1201 NE Lloyd Blvd, Suite 1100

Portland, OR 97232

Columbia Generating Station (CGS)

Page 2 of 2

November 17, 2022

Columbia Generating Station NPDES 2022 Annual Priority Pollutant Discharge Monitoring Report

Briana.Grange@nrc.gov, and EndangeredSpecies.Resource@nrc.gov

U.S. Nuclear Regulatory Commission

Document Control Desk

Washington, DC 20555-0001

JTL

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

Prepared by: Jane T. LePage, Environmental Scientist, Environmental Services

Reviewed by: Kristopher Byers, Environmental Scientist, Environmental Services

Reviewed by: Marshall Schmitt, Environmental Scientist, E&RP

Reviewed by: Matthew Turner, Manager, Environmental Services

Approved by: Brad C. Barfuss, Manager, Environmental & Regulatory Programs

DISTRIBUTION LIST:

INTERNAL DISTRIBUTION:	
M Schmitt (via email)	Docket File PE20
J LePage (via email)	Regulatory (via email)
K Byers (via email)	Document Control (via APW)



Permit Number: WA0025151

Permittee: Energy Northwest Columbia Generating Station

Facility County: Benton

Receiving Waterbody:

Monitoring Period: 01/01/2022 - 12/31/2022

Outfall: 001

Version: 1

Sample Date: 9/6/2022

Monitoring Point	Parameter	Fraction	Units	Sample	Qualifier Code	Required Detection Level	Required Quantitation Level	Actual Detection Level	Actual Quantitation Level
CWB	Antimony	Total	Micrograms/L (ug/L)	0.6		0.3	1.0	0.4	1
CWB	Arsenic	Total	Micrograms/L (ug/L)	2.8		0.1	0.5	0.5	0.5
CWB	Beryllium	Total	Micrograms/L (ug/L)	< 0.028	U	0.1	0.5	0.028	0.3
CWB	Cadmium	Total	Micrograms/L (ug/L)	< 0.04	U	0.05	0.25	0.04	0.25
CWB	Chromium, Hexavalent	Total	Micrograms/L (ug/L)	M*	NAF	0.3	1.2		
CWB	Chromium	Total	Micrograms/L (ug/L)	1.4		0.2	1	0.36	0.5
CWB	Copper	Total	Micrograms/L (ug/L)	9.0		0.4	2	0.073	2
CWB	Lead	Total	Micrograms/L (ug/L)	0.2		0.1	0.5	0.091	0.5
CWB	Mercury	Total	Nanograms/L (ng/L)	3.88		0.2 ng/L	0.5 ng/L	0.2	0.5
CWB	Nickel	Total	Micrograms/L (ug/L)	6.6		0.1	0.5	0.1	0.5
CWB	Selenium	Total	Micrograms/L (ug/L)	1		1	1	0.22	1
CWB	Silver	Total	Micrograms/L (ug/L)	< 0.19	U	0.04	0.2	0.19	0.2
CWB	Thallium	Total	Micrograms/L (ug/L)	< 0.04	U	0.09	0.36	0.04	0.36
CWB	Zinc	Total	Micrograms/L (ug/L)	11.4		0.5	2.5	0.79	2.5
CWB	Cyanide	Total	Micrograms/L (ug/L)	M*	NAF	5	10		
CWB	Phenolics (Total Phenols)	Total	Micrograms/L (ug/L)	M*	NAF		50		
CWB	2-Chlorophenol		Micrograms/L (ug/L)	< 0.1	U	1	2	0.1	1
CWB	2,4-Dichlorophenol		Micrograms/L (ug/L)	< 0.2	U	0.5	1	0.2	1
CWB	2,4-Dimethylphenol		Micrograms/L (ug/L)	< 0.4	U	0.5	1	0.4	1
CWB	4,6-Dinitro-2-Methylphenol (4,6 dinitro-o-cresol)(2-methyl-4,6-dinitrophenol)		Micrograms/L (ug/L)	< 0.3	U	1	2	0.3	1
CWB	2,4-Dinitrophenol		Micrograms/L (ug/L)	< 0.5	U	1	2	0.5	1
CWB	2-Nitrophenol		Micrograms/L (ug/L)	< 0.2	U	0.5	1	0.2	1
CWB	4-Nitrophenol		Micrograms/L (ug/L)	< 0.3	U	0.5	1	0.3	1
CWB	4-Chloro-3-Methylphenol (Parachlorometa cresol)		Micrograms/L (ug/L)	< 0.2	U	1	2	0.2	1
CWB	Pentachlorophenol		Micrograms/L (ug/L)	< 0.2	U	0.5	1	0.2	0.4
CWB	Phenol		Micrograms/L (ug/L)	< 0.1	U	2	4	0.1	1
CWB	2,4,6-Trichlorophenol		Micrograms/L (ug/L)	< 0.1	U	2	4	0.1	1
CWB	Acrolein		Micrograms/L (ug/L)	< 0.42	U	5	10	0.42	2



CWB	Acrylonitrile		Micrograms/L (ug/L)	< 0.56	U	1	2	0.56	2
CWB	Benzene		Micrograms/L (ug/L)	< 0.23	U	1	2	0.23	0.4
CWB	Bromoform		Micrograms/L (ug/L)	< 0.26	U	1	2	0.26	0.4
CWB	Carbon Tetrachloride		Micrograms/L (ug/L)	< 0.24	U	1	2	0.24	0.4
CWB	Chlorobenzene		Micrograms/L (ug/L)	< 0.28	U	1	2	0.28	0.4
CWB	Chloroethane		Micrograms/L (ug/L)	< 0.34	U	1	2	0.34	0.4
CWB	2-Chloroethylvinylether		Micrograms/L (ug/L)	< 0.46	U	1	2	0.46	2
CWB	Chloroform		Micrograms/L (ug/L)	2.2		1	2	0.25	0.4
CWB	Dibromochloromethane (chlorodibromomethane)		Micrograms/L (ug/L)	< 0.28	U	1	2	0.28	0.4
CWB	1,2-Dichlorobenzene		Micrograms/L (ug/L)	< 0.31	U	1.9	7.6	0.31	0.4
CWB	1,3-Dichlorobenzene		Micrograms/L (ug/L)	< 0.29	U	1.9	7.6	0.29	0.4
CWB	1,4-Dichlorobenzene		Micrograms/L (ug/L)	< 0.29	U	4.4	17.6	0.29	0.4
CWB	Dichlorobromomethane		Micrograms/L (ug/L)	< 0.28	U	1	2	0.28	0.4
CWB	1,1-Dichloroethane		Micrograms/L (ug/L)	< 0.32	U	1	2	0.32	0.4
CWB	1,2-Dichloroethane		Micrograms/L (ug/L)	< 0.38	U	1	2	0.38	0.4
CWB	1,1-Dichloroethene (1,1- dichloroethylene)		Micrograms/L (ug/L)	< 0.25	U	1	2	0.25	0.4
CWB	1,2-Dichloropropane		Micrograms/L (ug/L)	< 0.22	U	1	2	0.22	0.4
CWB	1,3-Dichloropropene (1,3 Dichloropropylene)		Micrograms/L (ug/L)	< 0.31*	U	1	2	0.31	0.4
CWB	Ethylbenzene		Micrograms/L (ug/L)	< 0.29	U	1	2	0.29	0.4
CWB	Bromomethane (methyl bromide)		Micrograms/L (ug/L)	< 0.37	U	5	10	0.37	0.4
CWB	Chloromethane (methyl chloride)		Micrograms/L (ug/L)	< 0.28	U	1	2	0.28	0.4
CWB	Methylene Chloride		Micrograms/L (ug/L)	< 0.28	U	5	10	0.28	0.4
CWB	1,1,2,2-Tetrachloroethane		Micrograms/L (ug/L)	< 0.37	U	1.9	2	0.37	0.4
CWB	Tetrachloroethene (tetrachloroethylene)		Micrograms/L (ug/L)	< 0.24	U	1	2	0.24	0.4
CWB	Toluene		Micrograms/L (ug/L)	< 0.24	U	1	2	0.24	0.4
CWB	1,2 Trans- Dichloroethylene OR Trans 1,2 Dichloroethene (Ethylene dichloride)		Micrograms/L (ug/L)	< 0.34	U	1	2	0.34	0.4
CWB	1,1,1-Trichloroethane		Micrograms/L (ug/L)	< 0.26	U	1	2	0.26	0.4
CWB	1,1,2-Trichloroethane		Micrograms/L (ug/L)	< 0.28	U	1	2	0.28	0.4
CWB	Trichloroethene (Trichloroethylene)		Micrograms/L (ug/L)	< 0.29	U	1	2	0.29	0.4
CWB	Vinyl Chloride		Micrograms/L (ug/L)	< 0.28	U	1	2	0.28	0.4
CWB	Acenaphthene		Micrograms/L (ug/L)	< 0.04	U	0.2	0.4	0.04	0.4
CWB	Acenaphthylene		Micrograms/L (ug/L)	< 0.07	U	0.3	0.6	0.07	0.4



CWB	Anthracene		Micrograms/L (ug/L)	< 0.05	U	0.3	0.6	0.05	0.4
CWB	Benzidine		Micrograms/L (ug/L)	< 9	U	12	24	9	10
CWB	Butyl benzyl phthalate (Benzyl butyl phthalate)		Micrograms/L (ug/L)	< 0.03	U	0.3	0.6	0.03	0.4
CWB	Benzo(a)anthracene		Micrograms/L (ug/L)	< 0.05	U	0.3	0.6	0.05	0.4
CWB	Benzo(b)fluoranthene (3,4 -Benzofluoranthene)		Micrograms/L (ug/L)	< 0.08	U	0.8	1.6	0.08	0.4
CWB	Benzo(j)fluoranthene		Micrograms/L (ug/L)	< 0.4	U	0.5	1	0.4	1
CWB	Benzo(k)fluoranthene (11,12-benzofluoranthene)		Micrograms/L (ug/L)	< 0.08	U	0.8	1.6	0.08	0.4
CWB	Benzo(r,s,t)pentaphene (dibenzo(a,i) pyrene)		Micrograms/L (ug/L)	< 0.3	U	0.5	1	0.3	1
CWB	Benzo(a)pyrene		Micrograms/L (ug/L)	< 0.05	U	0.5	1	0.05	0.4
CWB	Benzo(ghi)perylene		Micrograms/L (ug/L)	< 0.05	U	0.5	1	0.05	0.4
CWB	Bis(2-Chloroethoxy)Methane		Micrograms/L (ug/L)	< 0.06	U	5.3	21.2	0.06	0.4
CWB	Bis(2-Chloroethyl)Ether		Micrograms/L (ug/L)	< 0.06	U	0.3	1	0.06	0.4
CWB	Bis(2-chloro-1-methylethyl)Ether		Micrograms/L (ug/L)	< 0.06*	U	5.7	17.1	0.06	0.4
CWB	Bis(2-Ethylhexyl) Phthalate		Micrograms/L (ug/L)	< 0.1	U	0.1	0.5	0.1	0.4
CWB	4-Bromophenyl phenyl ether		Micrograms/L (ug/L)	< 0.04	U	0.2	0.4	0.04	0.4
CWB	2-Chloronaphthalene		Micrograms/L (ug/L)	< 0.05	U	0.3	0.6	0.05	0.4
CWB	4-Chlorophenyl- Phenylether		Micrograms/L (ug/L)	< 0.04	U	0.3	0.5	0.04	0.4
CWB	Chrysene		Micrograms/L (ug/L)	< 0.06	U	0.3	0.6	0.06	0.4
CWB	Dibenzo (a,h)acridine		Micrograms/L (ug/L)	< 0.4*	U	2.5	10	0.4	1
CWB	Dibenzo (a,i)acridine		Micrograms/L (ug/L)	< 0.4*	U	2.5	10	0.4	1
CWB	Dibenzo(a,h)anthracene		Micrograms/L (ug/L)	< 0.05	U	0.8	1.6	0.05	0.4
CWB	Dibenzo(a,e)pyrene		Micrograms/L (ug/L)	< 0.5*	U	2.5	10	0.5	1
CWB	Dibenzo(a,h)pyrene		Micrograms/L (ug/L)	< 0.3*	U	2.5	10	0.3	1
CWB	3,3'-Dichlorobenzidine		Micrograms/L (ug/L)	< 0.2	U	0.5	1	0.2	0.2
CWB	Diethyl phthalate		Micrograms/L (ug/L)	< 0.06	U	1.9	7.6	0.06	0.4
CWB	Dimethyl phthalate		Micrograms/L (ug/L)	< 0.05	U	1.6	6.4	0.05	0.4
CWB	Dibutyl phthalate (Di-n- butyl phthalate)		Micrograms/L (ug/L)	< 0.07	U	0.5	1	0.07	0.4
CWB	2,4-Dinitrotoluene		Micrograms/L (ug/L)	< 0.07	U	0.2	0.4	0.07	0.4
CWB	2,6-Dinitrotoluene		Micrograms/L (ug/L)	< 0.09	U	0.2	0.4	0.09	0.4
CWB	Di-N-Octyl Phthalate		Micrograms/L (ug/L)	< 0.02	U	0.3	0.6	0.02	0.4
CWB	1,2-Diphenylhydrazine		Micrograms/L (ug/L)	< 0.06*	U	5	20	0.06	0.4
CWB	Fluoranthene		Micrograms/L (ug/L)	< 0.05	U	0.3	0.6	0.05	0.4
CWB	Fluorene		Micrograms/L (ug/L)	< 0.05	U	0.3	0.6	0.05	0.4



CWB	Hexachlorobenzene		Micrograms/L (ug/L)	< 0.06	U	0.3	0.6	0.06	0.4
CWB	Hexachlorobutadiene		Micrograms/L (ug/L)	< 0.09	U	0.5	1	0.09	0.4
CWB	Hexachlorocyclopentadiene (hexachloropentadiene)		Micrograms/L (ug/L)	< 0.2	U	0.5	1	0.2	0.4
CWB	Hexachloroethane		Micrograms/L (ug/L)	< 0.09	U	0.5	1	0.09	0.4
CWB	Indeno(1,2,3-cd)pyrene		Micrograms/L (ug/L)	< 0.09	U	0.5	1	0.09	0.4
CWB	Isophorone		Micrograms/L (ug/L)	< 0.07	U	0.5	1	0.07	0.4
CWB	3-Methyl cholanthrene (1,2-dihydro-3-methyl-Benz[j]aceanthrylene)		Micrograms/L (ug/L)	< 0.4	U	2	8	0.4	1
CWB	Naphthalene		Micrograms/L (ug/L)	< 0.06	U	0.3	0.6	0.06	0.4
CWB	Nitrobenzene		Micrograms/L (ug/L)	< 0.05	U	0.5	1	0.05	0.4
CWB	N-Nitrosodimethylamine		Micrograms/L (ug/L)	< 0.3	U	2	4	0.3	0.4
CWB	N-Nitrosodi-n-propylamine		Micrograms/L (ug/L)	< 0.1	U	0.5	1	0.1	0.4
CWB	N-Nitrosodiphenylamine		Micrograms/L (ug/L)	< 0.05	U	0.5	1	0.05	0.4
CWB	Perylene		Micrograms/L (ug/L)	< 0.6	U	1.9	7.6	0.6	1
CWB	Phenanthrene		Micrograms/L (ug/L)	< 0.06	U	0.3	0.6	0.06	0.4
CWB	Pyrene		Micrograms/L (ug/L)	< 0.05	U	0.3	0.6	0.05	0.4
CWB	1,2,4-Trichlorobenzene		Micrograms/L (ug/L)	< 0.05	U	0.3	0.6	0.05	0.4
CWB	TCDD - Dioxin		Picograms/L	< 1.2	U	1.3 pg/L	5 pg/L	1.2	5

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP

Outfall: 001 -

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
CWB	Bis(2-chloro-1-methylethyl)Ether Micrograms/L (ug/L)	9/6/2022	B < 0.06	Permit references CAS 39638-32-9
CWB	Dibenzo (a,h)acridine Micrograms/L (ug/L)	9/6/2022	B < 0.4	Method 625.1 used
CWB	Dibenzo (a,i)acridine Micrograms/L (ug/L)	9/6/2022	B < 0.4	Method 625.1 used
CWB	Dibenzo(a,e)pyrene Micrograms/L (ug/L)	9/6/2022	B < 0.5	Method 625.1 used
CWB	Dibenzo(a,h)pyrene Micrograms/L (ug/L)	9/6/2022	B < 0.3	Method 625.1 used
CWB	1,2-Diphenylhydrazine Micrograms/L (ug/L)	9/6/2022	B < 0.06	Method 625.1 used
CWB	Chromium, Hexavalent Total Micrograms/L (ug/L)	9/6/2022	M M	Analysis not required
CWB	Cyanide Total Micrograms/L (ug/L)	9/6/2022	M M	Analysis required only 1/permit cycle.



CWB	Phenolics (Total Phenols) Total Micrograms/L (ug/L)	9/6/2022	M M	Analysis required only 1/permit cycle
CWB	1,3-Dichloropropene (1,3 Dichloropropylene) Micrograms/L (ug/L)	9/6/2022	B < 0.31	cis-1,3-dichloropropene and trans-1,3-dichloropropene

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

Brad Barfuss

Signature

11/17/2022 2:20:14 PM

Date



Burlington, WA *Corporate Laboratory (a)*
1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

October 12, 2022

Page 1 of 1

Jane LePage
Energy Northwest
350 Hills St #107
Richland, WA 99354

RE: 22-30019 - Priority Pollutants

Dear Jane LePage,

Your project: Priority Pollutants, was received on Thursday September 08, 2022.

All samples were analyzed within the accepted holding times and were appropriately preserved and analyzed according to approved analytical protocols, unless noted in the data or QC reports. The quality control data was within laboratory acceptance limits, unless specified in the data or QC reports.

If you have questions phone us at 800 755-9295.

Respectfully

A handwritten signature in blue ink, reading "Lawrence J Henderson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report
QC Reports
Chain of Custody



Burlington, WA *Corporate Laboratory (a)*
1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400
Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802
Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946
Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Page 1 of 1

Data Report

Client Name: Energy Northwest
350 Hills St #107
Richland, WA 99354

Reference Number: **22-30019**
Project: Priority Pollutants

Report Date: 10/12/22

Date Received: 9/8/22

Approved by: ljh

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Sample Description: 230214-01 CW 24hr Composite								Matrix WW	Sample Date: 9/6/22 8:30 am			
Lab Number: 58274				Sample Comment:				Collected By: Jane LePage				
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7440-41-7	BERYLLIUM	ND	0.3	0.028	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	
7440-47-3	CHROMIUM	1.4	0.5	0.36	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	
7440-02-0	NICKEL	6.6	0.5	0.1	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	
7440-50-8	COPPER	9.0	2	0.073	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	
7440-66-6	ZINC	11.4	2.5	0.79	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	
7440-38-2	ARSENIC	2.8	0.5	0.5	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	
7782-49-2	SELENIUM	1.0	1	0.22	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	
7440-22-4	SILVER	ND	0.2	0.19	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	
7440-43-9	CADMIUM	ND	0.25	0.04	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	
7440-36-0	ANTIMONY	0.6	1	0.4	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	
7440-28-0	THALLIUM	ND	0.36	0.04	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	
7439-92-1	LEAD	0.2	0.5	0.091	ug/L	1.0	200.8/TR	a	9/29/22	BJ	200.8_220929B2	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

D.F. = Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cRslt_2.rpt



Burlington, WA Corporate Laboratory (a)
1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400
Bellingham, WA Microbiology (b)
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR Microbiology/Chemistry (c)
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802
Corvallis, OR Microbiology/Chemistry (d)
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946
Bend, OR Microbiology (e)
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

WSDOE Lab C567

DATA REPORT

Page 1 of 4

Client Name: Energy Northwest
350 Hills St #107
Richland, WA 99354

Reference Number: **22-30019**
Project: Priority Pollutants

Lab Number: 58274
Field ID: 230214-01
Sample Description: CW 24hr Composite
Matrix: Wastewater
Sample Date: 9/6/22
Extraction Date: 9/9/22
Extraction Method: 3510C

Report Date: 10/12/22
Date Analyzed: 9/23/22
Analyst: NML
Analytical Method: 625.1
Batch: 625_220909
Approved By: pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
Acid Extractables									
88-06-2	2,4,6-TRICHLOROPHENOL	ND		ug/L	1	0.1	1.00	a	
120-83-2	2,4-DICHLOROPHENOL	ND		ug/L	1	0.2	1.00	a	
105-67-9	2,4-DIMETHYLPHENOL	ND		ug/L	1	0.4	1.00	a	
51-28-5	2,4-DINITROPHENOL	ND		ug/L	1	0.5	1.00	a	
95-57-8	2-CHLOROPHENOL	ND		ug/L	1	0.1	1.00	a	
88-75-5	2-NITROPHENOL	ND		ug/L	1	0.2	1.00	a	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND		ug/L	1	0.3	1.00	a	
59-50-7	4-CHLORO-3-METHYLPHENOL	ND		ug/L	1	0.2	1.00	a	
100-02-7	4-NITROPHENOL	ND		ug/L	1	0.3	1.00	a	
87-86-5	PENTACHLOROPHENOL	ND		ug/L	0.4	0.2	1.00	a	
108-95-2	PHENOL	ND		ug/L	1	0.1	1.00	a	
Base/Neutral Extractables									
120-82-1	1,2,4-TRICHLOROBENZENE	ND		ug/L	0.4	0.05	1.00	a	
122-66-7	1,2-DIPHENYLHYDRAZINE	ND		ug/L	0.4	0.06	1.00	a	as Azobenzene
121-14-2	2,4-DINITROTOLUENE	ND		ug/L	0.4	0.07	1.00	a	
606-20-2	2,6-DINITROTOLUENE	ND		ug/L	0.4	0.09	1.00	a	
91-58-7	2-CHLORONAPHTHALENE	ND		ug/L	0.4	0.05	1.00	a	
91-94-1	3,3-DICHLOROBENZIDINE	ND		ug/L	0.2	0.2	1.00	a	
101-55-3	4-BROMOPHENYL PHENYL ETHER	ND		ug/L	0.4	0.04	1.00	a	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ND		ug/L	0.4	0.04	1.00	a	
83-32-9	ACENAPHTHENE	ND		ug/L	0.4	0.04	1.00	a	
208-96-8	ACENAPHTHYLENE	ND		ug/L	0.4	0.07	1.00	a	
120-12-7	ANTHRACENE	ND		ug/L	0.4	0.05	1.00	a	
56-55-3	BENZ[A]ANTHRACENE	ND		ug/L	0.4	0.05	1.00	a	
92-87-5	BENZIDINE	ND		ug/L	10	9.	1.00	a	screening method
50-32-8	BENZO(A)PYRENE	ND		ug/L	0.4	0.05	1.00	a	
205-99-2	BENZO[B]FLUORANTHENE	ND		ug/L	0.4	0.08	1.00	a	unresolved w/ Benzo(J)Fluoranthene

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

Permit QL = Quantitation Limit required by permit (listed in Appendix A) or other regulatory requirement.

D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

Form: c608.rpt

Lab Number: **58274**

Field ID: **230214-01**

Sample Description: **CW 24hr Composite**

Matrix: **Wastewater**

Sample Date: **9/6/22**

Extraction Date: **9/9/22**

Extraction Method: **3510C**

Report Date: **10/12/22**

Date Analyzed: **9/23/22**

Analyst: **NML**

Analytical Method: **625.1**

Batch: **625_220909**

Approved By: **pdm**

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
191-24-2	BENZO[G,H,I]PERYLENE	ND		ug/L	0.4	0.05	1.00	a	
207-08-9	BENZO[K]FLUORANTHENE	ND		ug/L	0.4	0.08	1.00	a	
85-68-7	BENZYL BUTYL PHTHALATE	ND		ug/L	0.4	0.03	1.00	a	
108-60-1	BIS(2-CHLORO-1-METHYLETHYL)ETHER	ND		ug/L	0.4	0.06	1.00	a	
111-91-1	Bis(2-CHLOROETHOXY)METHANE	ND		ug/L	0.4	0.06	1.00	a	
111-44-4	BIS(2-CHLOROETHYL)ETHER	ND		ug/L	0.4	0.06	1.00	a	
218-01-9	CHRYSENE	ND		ug/L	0.4	0.06	1.00	a	
117-81-7	DI(2-ETHYLHEXYL)PHTHALATE	ND		ug/L	0.4	0.1	1.00	a	
53-70-3	DIBENZO[A,H]ANTHRACENE	ND		ug/L	0.4	0.05	1.00	a	
84-66-2	DIETHYL PHTHALATE	ND		ug/L	0.4	0.06	1.00	a	
131-11-3	DIMETHYL PHTHALATE	ND		ug/L	0.4	0.05	1.00	a	
84-74-2	DI-N-BUTYL PHTHALATE	ND		ug/L	0.4	0.07	1.00	a	
117-84-0	DI-N-OCTYL PHTHALATE	ND		ug/L	0.4	0.02	1.00	a	
206-44-0	FLUORANTHENE	ND		ug/L	0.4	0.05	1.00	a	
86-73-7	FLUORENE	ND		ug/L	0.4	0.05	1.00	a	
118-74-1	HEXACHLOROBENZENE	ND		ug/L	0.4	0.06	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/L	0.4	0.09	1.00	a	
77-47-4	HEXACHLOROCYCLOPENTADIENE	ND		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	ND		ug/L	0.4	0.09	1.00	a	
193-39-5	INDENO[1,2,3,C,D]PYRENE	ND		ug/L	0.4	0.09	1.00	a	
78-59-1	ISOPHORONE	ND		ug/L	0.4	0.07	1.00	a	
91-20-3	NAPHTHALENE	ND		ug/L	0.4	0.06	1.00	a	
98-95-3	NITROBENZENE	ND		ug/L	0.4	0.05	1.00	a	
62-75-9	N-NITROSODIMETHYLAMINE	ND		ug/L	0.4	0.3	1.00	a	
621-64-7	N-NITROSODI-N-PROPYLAMINE	ND		ug/L	0.4	0.1	1.00	a	
86-30-6	N-NITROSODIPHENYLAMINE	ND		ug/L	0.4	0.05	1.00	a	as Diphenylamine
85-01-8	PHENANTHRENE	ND		ug/L	0.4	0.06	1.00	a	
129-00-0	PYRENE	ND		ug/L	0.4	0.05	1.00	a	
Ecology Priority Toxic Chemicals									
56-49-5	3-METHYL CHOLANTHRENE	ND		ug/L	1	0.4	1.00	a	
205-82-3	BENZO(J)FLUORANTHENE	ND		ug/L	1	0.4	1.00	a	unresolved w/ Benzo(B)Fluoranthene
189-55-9	BENZO(R,S,T)PENTAPHENE	ND		ug/L	1	0.3	1.00	a	
192-65-4	DIBENZO(A,E)PYRENE	ND		ug/L	1	0.5	1.00	a	
226-36-8	DIBENZO(A,H)ACRIDINE	ND		ug/L	1	0.4	1.00	a	
189-64-0	DIBENZO(A,H)PYRENE	ND		ug/L	1	0.3	1.00	a	
224-42-0	DIBENZO(A,J)ACRIDINE	ND		ug/L	1	0.4	1.00	a	
198-55-0	PERYLENE	ND		ug/L	1	0.6	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

Permit QL = Quantitation Limit required by permit (listed in Appendix A) or other regulatory requirement.

D.F. - Dilution Factor.



Lab Number: 58275
Field ID: 230214-02
Sample Description: CW Grab
Matrix: Wastewater
Sample Date: 9/6/22
Extraction Date: 9/9/22
Extraction Method: 5030B

Reference Number: **22-30019**

Lab Number: 58275

Report Date: 10/12/22

Report Date: 10/12/22

Date Analyzed: 9/9/22

Analyst: NML

Analytical Method: 624(pH4)

Batch: 624_220909

Approved By: pdm

Page 3 of 4

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
107-02-8	ACROLEIN	ND		ug/L	2.0	0.42	1.00	a	
107-13-1	ACRYLONITRILE	ND		ug/L	2.0	0.56	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

Permit QL = Quantitation Limit required by permit (listed in Appendix A) or other regulatory requirement.

D.F. - Dilution Factor.



Lab Number: 58275
Field ID: 230214-02
Sample Description: CW Grab
Matrix: Wastewater
Sample Date: 9/6/22
Extraction Date: 9/9/22
Extraction Method: 5030B

Reference Number: 22-30019

Lab Number: 58275

Report Date: 10/12/22

Report Date: 10/12/22

Date Analyzed: 9/9/22

Analyst: NML

Analytical Method: 624.1

Batch: 624_220909

Approved By: pdm

Page 4 of 4

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
71-43-2	BENZENE	ND		ug/L	0.4	0.23	1.00	a	
75-27-4	BROMODICHLOROMETHANE	ND		ug/L	0.4	0.28	1.00	a	
75-25-2	BROMOFORM	ND		ug/L	0.4	0.26	1.00	a	
74-83-9	BROMOMETHANE	ND		ug/L	0.4	0.37	1.00	a	
56-23-5	CARBON TETRACHLORIDE	ND		ug/L	0.4	0.24	1.00	a	
108-90-7	CHLOROBENZENE	ND		ug/L	0.4	0.28	1.00	a	
75-00-3	CHLOROETHANE	ND		ug/L	0.4	0.34	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	ND		ug/L	2.0	0.46	1.00	a	
67-66-3	CHLOROFORM	2.2		ug/L	0.4	0.25	1.00	a	
74-87-3	CHLOROMETHANE	ND		ug/L	0.4	0.28	1.00	a	
124-48-1	CHLORODIBROMOMETHANE	ND		ug/L	0.4	0.28	1.00	a	
95-50-1	1,2-DICHLOROBENZENE	ND		ug/L	0.4	0.31	1.00	a	
541-73-1	1,3-DICHLOROBENZENE	ND		ug/L	0.4	0.29	1.00	a	
106-46-7	1,4-DICHLOROBENZENE	ND		ug/L	0.4	0.29	1.00	a	
75-34-3	1,1 - DICHLOROETHANE	ND		ug/L	0.4	0.32	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/L	0.4	0.38	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/L	0.4	0.25	1.00	a	
156-60-5	T - 1,2 - DICHLOROETHYLENE	ND		ug/L	0.4	0.34	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/L	0.5	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/L	0.4	0.22	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.31	1.00	a	
10061-02-6	TRANS- 1,3 - DICHLOROPROPENE	ND		ug/L	0.4	0.24	1.00	a	
100-41-4	ETHYLBENZENE	ND		ug/L	0.4	0.29	1.00	a	
75-09-2	METHYLENE CHLORIDE	ND		ug/L	0.4	0.28	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	0.4	0.37	1.00	a	
127-18-4	TETRACHLOROETHYLENE	ND		ug/L	0.4	0.24	1.00	a	
108-88-3	TOLUENE	ND		ug/L	0.4	0.24	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/L	0.4	0.26	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/L	0.4	0.28	1.00	a	
79-01-6	TRICHLOROETHYLENE	ND		ug/L	0.4	0.29	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/L	0.5	0.18	1.00	a	
75-01-4	VINYL CHLORIDE	ND		ug/L	0.4	0.28	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.

ND - indicates the compound was not detected above the PQL or MDL.

Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

Permit QL = Quantitation Limit required by permit (listed in Appendix A) or other regulatory requirement.

D.F. - Dilution Factor.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **22-30019**

Report Date: 10/12/22

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Calibration Check										
200.8_220929B2	0 ANTIMONY	0.00093	0.001	mg/L	200.8	93	80-120		CAL	
	0 ARSENIC	0.00101	0.001	mg/L	200.8	101	80-120		CAL	
	0 BERYLLIUM	0.001	0.001	mg/L	200.8	100	80-120		CAL	
	0 CADMIUM	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
	0 CHROMIUM	0.00101	0.001	mg/L	200.8	101	80-120		CAL	
	0 COPPER	0.00103	0.001	mg/L	200.8	103	80-120		CAL	
	0 LEAD	0.001	0.001	mg/L	200.8	100	80-120		CAL	
	0 NICKEL	0.00102	0.001	mg/L	200.8	102	80-120		CAL	
	0 SELENIUM	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
	0 SILVER	0.001	0.001	mg/L	200.8	100	80-120		CAL	
	0 THALLIUM	0.00101	0.001	mg/L	200.8	101	80-120		CAL	
	0 ZINC	0.00104	0.001	mg/L	200.8	104	80-120		CAL	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **22-30019**

Report Date: 10/12/22

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Laboratory Fortified Blank										
200.8_220929B2	0 ANTIMONY	0.0119	0.0125	mg/L	200.8	95	85-115		LFB	
	0 ARSENIC	0.0123	0.0125	mg/L	200.8	98	85-115		LFB	
	0 BERYLLIUM	0.0129	0.0125	mg/L	200.8	103	85-115		LFB	
	0 CADMIUM	0.0124	0.0125	mg/L	200.8	99	85-115		LFB	
	0 CHROMIUM	0.0132	0.0125	mg/L	200.8	106	85-115		LFB	
	0 COPPER	0.0135	0.0125	mg/L	200.8	108	85-115		LFB	
	0 LEAD	0.0124	0.0125	mg/L	200.8	99	85-115		LFB	
	0 NICKEL	0.013	0.0125	mg/L	200.8	104	85-115		LFB	
	0 SELENIUM	0.0115	0.0125	mg/L	200.8	92	85-115		LFB	
	0 SILVER	0.0056	0.00625	mg/L	200.8	90	85-115		LFB	
	0 THALLIUM	0.0123	0.0125	mg/L	200.8	98	85-115		LFB	
	0 ZINC	0.0128	0.0125	mg/L	200.8	102	85-115		LFB	
624_220909	0 1,1 - DICHLOROETHANE	8.8	10	ug/L	624.1	88	70-130		LFB	
	0 1,1 - DICHLOROETHYLENE	8.6	10	ug/L	624.1	86	50-150		LFB	
	0 1,1,1 - TRICHLOROETHANE	8.7	10	ug/L	624.1	87	70-130		LFB	
	0 1,1,2 - TRICHLOROETHANE	8.8	10	ug/L	624.1	88	70-130		LFB	
	0 1,1,2,2 - TETRACHLOROETHANE	9.9	10	ug/L	624.1	99	60-140		LFB	
	0 1,2 - DICHLOROETHANE	9.1	10	ug/L	624.1	91	70-130		LFB	
	0 1,2 - DICHLOROPROPANE	8.5	10	ug/L	624.1	85	35-165		LFB	
	0 1,2-DICHLOROBENZENE	10.6	10	ug/L	624.1	106	65-135		LFB	
	0 1,3-DICHLOROBENZENE	10.6	10	ug/L	624.1	106	70-130		LFB	
	0 1,4-DICHLOROBENZENE	10.7	10	ug/L	624.1	107	65-135		LFB	
	0 2-CHLOROETHYL VINYL ETHER	7.8	10	ug/L	624.1	78	1-225		LFB	
	0 BENZENE	8.8	10	ug/L	624.1	88	65-135		LFB	
	0 BROMODICHLOROMETHANE	9.1	10	ug/L	624.1	91	65-135		LFB	
	0 BROMOFORM	10.9	10	ug/L	624.1	109	70-130		LFB	
	0 BROMOMETHANE	8.2	10	ug/L	624.1	82	15-185		LFB	
	0 CARBON TETRACHLORIDE	8.7	10	ug/L	624.1	87	70-130		LFB	
	0 CHLOROBENZENE	9.8	10	ug/L	624.1	98	65-135		LFB	
	0 CHLORODIBROMOMETHANE	9.2	10	ug/L	624.1	92	70-135		LFB	
	0 CHLOROETHANE	9.2	10	ug/L	624.1	92	40-160		LFB	
	0 CHLOROFORM	9.5	10	ug/L	624.1	95	70-135		LFB	
	0 CHLOROMETHANE	8.1	10	ug/L	624.1	81	1-205		LFB	
	0 CIS - 1,3 - DICHLOROPROPENE	9.2	10	ug/L	624.1	92	25-175		LFB	
	0 DICHLORODIFLUOROMETHANE	6.8	10	ug/L	624.1	68	60-140		LFB	
	0 ETHYLBENZENE	10.2	10	ug/L	624.1	102	60-140		LFB	
	0 METHYLENE CHLORIDE	8.8	10	ug/L	624.1	88	60-140		LFB	
	0 T - 1,2 - DICHLOROETHYLENE	8.5	10	ug/L	624.1	85	70-130		LFB	
	0 TETRACHLOROETHYLENE	8.9	10	ug/L	624.1	89	70-130		LFB	
	0 TOLUENE	8.6	10	ug/L	624.1	86	70-130		LFB	
	0 TRANS- 1,3 - DICHLOROPROPENE	9.2	10	ug/L	624.1	92	50-150		LFB	
	0 TRICHLOROETHYLENE	8.9	10	ug/L	624.1	89	65-135		LFB	
	0 TRICHLOROFLUOROMETHANE	9.2	10	ug/L	624.1	92	50-150		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **22-30019**

Report Date: 10/12/22

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Laboratory Fortified Blank										
624_220909	0 VINYL CHLORIDE	7.9	10	ug/L	624.1	79	5-195		LFB	
	0 ACROLEIN	8.0	10	ug/L	624.1	80	60-140		LFB	
	0 ACRYLONITRILE	8.8	10	ug/L	624.1	88	60-140		LFB	
625_220909	0 2 - FLUOROBIPHENYL (Surr)	78		%	625.1		53-140		LFB	
	0 2 - FLUOROPHENOL (Surr)	53		%	625.1		29-140		LFB	
	0 2,4,6 - TRIBROMOPHENOL (Surr)	90		%	625.1		39-140		LFB	
	0 d5-NITROBENZENE (Surr)	78		%	625.1		50-140		LFB	
	0 d5-PHENOL (Surr)	34		%	625.1		23-140		LFB	
	0 p-TERPHENYL-d14 (Surr)	87		%	625.1		60-140		LFB	
	0 2,4,6-TRICHLOROPHENOL	7.8	10	ug/L	625.1	78	52-129		LFB	
	0 2,4-DICHLOROPHENOL	7.4	10	ug/L	625.1	74	53-122		LFB	
	0 2,4-DIMETHYLPHENOL	5.5	10	ug/L	625.1	55	42-120		LFB	
	0 2,4-DINITROPHENOL	4.9	10	ug/L	625.1	49	1-173		LFB	
	0 2-CHLOROPHENOL	6.9	10	ug/L	625.1	69	36-120		LFB	
	0 2-NITROPHENOL	7.3	10	ug/L	625.1	73	45-167		LFB	
	0 4,6-DINITRO-2-METHYLPHENOL	7.6	10	ug/L	625.1	76	53-130		LFB	
	0 4-CHLORO-3-METHYLPHENOL	8.2	10	ug/L	625.1	82	41-128		LFB	
	0 4-NITROPHENOL	3.1	10	ug/L	625.1	31	13-129		LFB	
	0 PENTACHLOROPHENOL	4.9	10	ug/L	625.1	49	38-152		LFB	
	0 PHENOL	3.4	10	ug/L	625.1	34	17-120		LFB	
	0 1,2,4-TRICHLOROBENZENE	6.7	10	ug/L	625.1	67	57-130		LFB	
	0 1,2-DIPHENYLHYDRAZINE	7.3	10	ug/L	625.1	73	71-125		LFB	
	0 2,4-DINITROTOLUENE	8.6	10	ug/L	625.1	86	48-127		LFB	
	0 2,6-DINITROTOLUENE	8.2	10	ug/L	625.1	82	68-137		LFB	
	0 2-CHLORONAPHTHALENE	7.3	10	ug/L	625.1	73	65-120		LFB	
	0 3,3-DICHLOROBENZIDINE	0.9	1	ug/L	625.1	90	8-213		LFB	
	0 4-BROMOPHENYL PHENYL ETHER	8.2	10	ug/L	625.1	82	65-120		LFB	
	0 4-CHLOROPHENYL PHENYL ETHER	8.4	10	ug/L	625.1	84	38-145		LFB	
	0 ACENAPHTHENE	8.0	10	ug/L	625.1	80	60-132		LFB	
	0 ACENAPHTHYLENE	7.9	10	ug/L	625.1	79	54-126		LFB	
	0 ANTHRACENE	8.3	10	ug/L	625.1	83	43-120		LFB	
	0 BENZ[A]ANTHRACENE	9.0	10	ug/L	625.1	90	42-133		LFB	
	0 BENZIDINE	10.0	25	ug/L	625.1	40	1-125		LFB	
	0 BENZO(A)PYRENE	7.6	10	ug/L	625.1	76	32-148		LFB	
	0 BENZO(B)FLUORANTHENE	15.1	20	ug/L	625.1	76	42-140		LFB	
	0 BENZO[G,H,I]PERYLENE	6.8	10	ug/L	625.1	68	1-195		LFB	
	0 BENZO[K]FLUORANTHENE	8.7	10	ug/L	625.1	87	25-146		LFB	
	0 BENZYL BUTYL PHTHALATE	8.0	10	ug/L	625.1	80	1-140		LFB	
	0 BIS(2-CHLORO-1-METHYLETHYL)ETHER	7.1	10	ug/L	625.1	71	63-139		LFB	
	0 Bis(2-CHLOROETHOXY)METHANE	7.6	10	ug/L	625.1	76	49-165		LFB	
	0 BIS(2-CHLOROETHYL)ETHER	7.0	10	ug/L	625.1	70	43-126		LFB	
	0 CHRYSENE	9.1	10	ug/L	625.1	91	44-140		LFB	
	0 DI(2-ETHYLHEXYL)PHTHALATE	6.4	10	ug/L	625.1	64	29-137		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **22-30019**

Report Date: 10/12/22

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Laboratory Fortified Blank										
625_220909	0 DIBENZO[A,H]ANTHRACENE	5.2	10	ug/L	625.1	52	1-200		LFB	
	0 DIETHYL PHTHALATE	8.2	10	ug/L	625.1	82	1-120		LFB	
	0 DIMETHYL PHTHALATE	7.1	10	ug/L	625.1	71	1-120		LFB	
	0 DI-N-BUTYL PHTHALATE	8.7	10	ug/L	625.1	87	8-120		LFB	
	0 DI-N-OCTYL PHTHALATE	5.5	10	ug/L	625.1	55	19-132		LFB	
	0 FLUORANTHENE	8.4	10	ug/L	625.1	84	43-121		LFB	
	0 FLUORENE	8.0	10	ug/L	625.1	80	70-120		LFB	
	0 HEXACHLOROBENZENE	8.5	10	ug/L	625.1	85	8-142		LFB	
	0 HEXACHLOROBUTADIENE	6.1	10	ug/L	625.1	61	38-120		LFB	
	0 HEXACHLOROCYCLOPENTADIENE	6.2	10	ug/L	625.1	62	14-170		LFB	
	0 HEXACHLOROETHANE	5.9	10	ug/L	625.1	59	55-120		LFB	
	0 INDENO[1,2,3-C,D]PYRENE	6.8	10	ug/L	625.1	68	1-151		LFB	
	0 ISOPHORONE	8.0	10	ug/L	625.1	80	47-180		LFB	
	0 NAPHTHALENE	7.0	10	ug/L	625.1	70	36-120		LFB	
	0 NITROBENZENE	7.3	10	ug/L	625.1	73	54-158		LFB	
	0 N-NITROSODIMETHYLAMINE	5.3	10	ug/L	625.1	53	20-116		LFB	
	0 N-NITROSODI-N-PROPYLAMINE	7.6	10	ug/L	625.1	76	14-198		LFB	
	0 N-NITROSODIPHENYLAMINE	8.8	10	ug/L	625.1	88	65-137		LFB	
	0 PHENANTHRENE	8.4	10	ug/L	625.1	84	65-120		LFB	
	0 PYRENE	8.9	10	ug/L	625.1	89	70-120		LFB	
	0 3-METHYL CHOLANTHRENE	7.4	10	ug/L	625.1	74	57-119		LFB	
	0 BENZO(J)FLUORANTHENE	15.8	20	ug/L	625.1	79	42-140		LFB	
	0 BENZO(R,S,T)PENTAPHENE	7.3	10	ug/L	625.1	73	1-172		LFB	
	0 DIBENZO(A,E)PYRENE	6.8	10	ug/L	625.1	68	1-199		LFB	
	0 DIBENZO(A,H)ACRIDINE	9.1	10	ug/L	625.1	91	60-131		LFB	
	0 DIBENZO(A,H)PYRENE	6.4	10	ug/L	625.1	64	4-160		LFB	
	0 DIBENZO(A,J)ACRIDINE	8.9	10	ug/L	625.1	89	55-136		LFB	
	0 PERYLENE	6.5	10	ug/L	625.1	65	57-125		LFB	
Laboratory Reagent Blank										
200.8_220929B2	0 ANTIMONY	ND		mg/L	200.8		0-0		LRB	
	0 ARSENIC	ND		mg/L	200.8		0-0		LRB	
	0 BERYLLIUM	ND		mg/L	200.8		0-0		LRB	
	0 CADMIUM	ND		mg/L	200.8		0-0		LRB	
	0 CHROMIUM	ND		mg/L	200.8		0-0		LRB	
	0 COPPER	ND		mg/L	200.8		0-0		LRB	
	0 LEAD	ND		mg/L	200.8		0-0		LRB	
	0 NICKEL	ND		mg/L	200.8		0-0		LRB	
	0 SELENIUM	ND		mg/L	200.8		0-0		LRB	
	0 SILVER	ND		mg/L	200.8		0-0		LRB	
	0 THALLIUM	ND		mg/L	200.8		0-0		LRB	
	0 ZINC	ND		mg/L	200.8		0-0		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **22-30019**

Report Date: 10/12/22

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Method Blank										
200.8_220929B2	0 ANTIMONY	ND		mg/L	200.8		0-0		MB	
	0 ARSENIC	ND		mg/L	200.8		0-0		MB	
	0 BERYLLIUM	ND		mg/L	200.8		0-0		MB	
	0 CADMIUM	ND		mg/L	200.8		0-0		MB	
	0 CHROMIUM	ND		mg/L	200.8		0-0		MB	
	0 COPPER	ND		mg/L	200.8		0-0		MB	
	0 LEAD	ND		mg/L	200.8		0-0		MB	
	0 NICKEL	ND		mg/L	200.8		0-0		MB	
	0 SELENIUM	ND		mg/L	200.8		0-0		MB	
	0 SILVER	ND		mg/L	200.8		0-0		MB	
	0 THALLIUM	ND		mg/L	200.8		0-0		MB	
	0 ZINC	ND		mg/L	200.8		0-0		MB	
624_220909	0 1,1 - DICHLOROETHANE	ND		ug/L	624.1		0-0		MB	
	0 1,1 - DICHLOROETHYLENE	ND		ug/L	624.1		0-0		MB	
	0 1,1,1 - TRICHLOROETHANE	ND		ug/L	624.1		0-0		MB	
	0 1,1,2 - TRICHLOROETHANE	ND		ug/L	624.1		0-0		MB	
	0 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	624.1		0-0		MB	
	0 1,2 - DICHLOROETHANE	ND		ug/L	624.1		0-0		MB	
	0 1,2 - DICHLOROPROPANE	ND		ug/L	624.1		0-0		MB	
	0 1,2-DICHLOROBENZENE	ND		ug/L	624.1		0-0		MB	
	0 1,3-DICHLOROBENZENE	ND		ug/L	624.1		0-0		MB	
	0 1,4-DICHLOROBENZENE	ND		ug/L	624.1		0-0		MB	
	0 2-CHLOROETHYL VINYL ETHER	ND		ug/L	624.1		0-0		MB	
	0 BENZENE	ND		ug/L	624.1		0-0		MB	
	0 BROMODICHLOROMETHANE	ND		ug/L	624.1		0-0		MB	
	0 BROMOFORM	ND		ug/L	624.1		0-0		MB	
	0 BROMOMETHANE	ND		ug/L	624.1		0-0		MB	
	0 CARBON TETRACHLORIDE	ND		ug/L	624.1		0-0		MB	
	0 CHLOROBENZENE	ND		ug/L	624.1		0-0		MB	
	0 CHLORODIBROMOMETHANE	ND		ug/L	624.1		0-0		MB	
	0 CHLOROETHANE	ND		ug/L	624.1		0-0		MB	
	0 CHLOROFORM	ND		ug/L	624.1		0-0		MB	
	0 CHLOROMETHANE	ND		ug/L	624.1		0-0		MB	
	0 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	624.1		0-0		MB	
	0 DICHLORODIFLUOROMETHANE	ND		ug/L	624.1		0-0		MB	
	0 ETHYLBENZENE	ND		ug/L	624.1		0-0		MB	
	0 METHYLENE CHLORIDE	ND		ug/L	624.1		0-0		MB	
	0 T - 1,2 - DICHLOROETHYLENE	ND		ug/L	624.1		0-0		MB	
	0 TETRACHLOROETHYLENE	ND		ug/L	624.1		0-0		MB	
	0 TOLUENE	ND		ug/L	624.1		0-0		MB	
	0 TRANS- 1,3 - DICHLOROPROPENE	ND		ug/L	624.1		0-0		MB	
	0 TRICHLOROETHYLENE	ND		ug/L	624.1		0-0		MB	
	0 TRICHLOROFLUOROMETHANE	ND		ug/L	624.1		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **22-30019**

Report Date: 10/12/22

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Method Blank										
624_220909	0 VINYL CHLORIDE	ND		ug/L	624.1	0-0		MB		
	0 ACROLEIN	ND		ug/L	624.1	0-0		MB		
	0 ACRYLONITRILE	ND		ug/L	624.1	0-0		MB		
	1 1,1 - DICHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 1,1 - DICHLOROETHYLENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 1,1,1 - TRICHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 1,1,2 - TRICHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 1,2 - DICHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 1,2 - DICHLOROPROPANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 1,2-DICHLOROBENZENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 1,3-DICHLOROBENZENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 1,4-DICHLOROBENZENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 2-CHLOROETHYL VINYL ETHER	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 BENZENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 BROMODICHLOROMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 BROMOFORM	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 BROMOMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 CARBON TETRACHLORIDE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 CHLOROBENZENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 CHLORODIBROMOMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 CHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 CHLOROFORM	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 CHLOROMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 DICHLORODIFLUOROMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 ETHYLBENZENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 METHYLENE CHLORIDE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 T - 1,2 - DICHLOROETHYLENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 TETRACHLOROETHYLENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 TOLUENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 TRANS- 1,3 - DICHLOROPROPENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 TRICHLOROETHYLENE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 TRICHLOROFLUOROMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 VINYL CHLORIDE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 ACROLEIN	ND		ug/L	624.1	0-0		MB		TB 22-29690
	1 ACRYLONITRILE	ND		ug/L	624.1	0-0		MB		TB 22-29690
	2 1,1 - DICHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 1,1 - DICHLOROETHYLENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 1,1,1 - TRICHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 1,1,2 - TRICHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 1,2 - DICHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **22-30019**

Report Date: 10/12/22

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Method Blank										
624_220909	2 1,2 - DICHLOROPROPANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 1,2-DICHLOROBENZENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 1,3-DICHLOROBENZENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 1,4-DICHLOROBENZENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 2-CHLOROETHYL VINYL ETHER	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 BENZENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 BROMODICHLOROMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 BROMOFORM	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 BROMOMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 CARBON TETRACHLORIDE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 CHLOROBENZENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 CHLORODIBROMOMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 CHLOROETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 CHLOROFORM	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 CHLOROMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 DICHLORODIFLUOROMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 ETHYLBENZENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 METHYLENE CHLORIDE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 T - 1,2 - DICHLOROETHYLENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 TETRACHLOROETHYLENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 TOLUENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 TRANS- 1,3 - DICHLOROPROPENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 TRICHLOROETHYLENE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 TRICHLOROFLUOROMETHANE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 VINYL CHLORIDE	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 ACROLEIN	ND		ug/L	624.1	0-0		MB		TB 22-30019
	2 ACRYLONITRILE	ND		ug/L	624.1	0-0		MB		TB 22-30019
625_220909	0 2 - FLUOROBIPHENYL (Surr)	43		%	625.1	53-140	SA	MB		
	0 2 - FLUOROPHENOL (Surr)	36		%	625.1	29-140		MB		
	0 2,4,6 - TRIBROMOPHENOL (Surr)	48		%	625.1	39-140		MB		
	0 d5-NITROBENZENE (Surr)	51		%	625.1	50-140		MB		
	0 d5-PHENOL (Surr)	21		%	625.1	23-140	SA	MB		
	0 p-TERPHENYL-d14 (Surr)	48		%	625.1	60-140	SA	MB		
	0 2,4,6-TRICHLOROPHENOL	ND		ug/L	625.1	0-0		MB		
	0 2,4-DICHLOROPHENOL	ND		ug/L	625.1	0-0		MB		
	0 2,4-DIMETHYLPHENOL	ND		ug/L	625.1	0-0		MB		
	0 2,4-DINITROPHENOL	ND		ug/L	625.1	0-0		MB		
	0 2-CHLOROPHENOL	ND		ug/L	625.1	0-0		MB		
	0 2-NITROPHENOL	ND		ug/L	625.1	0-0		MB		
	0 4,6-DINITRO-2-METHYLPHENOL	ND		ug/L	625.1	0-0		MB		
	0 4-CHLORO-3-METHYLPHENOL	ND		ug/L	625.1	0-0		MB		
	0 4-NITROPHENOL	ND		ug/L	625.1	0-0		MB		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **22-30019**

Report Date: 10/12/22

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Method Blank										
625_220909	0 PENTACHLOROPHENOL	ND		ug/L	625.1		0-0		MB	
	0 PHENOL	ND		ug/L	625.1		0-0		MB	
	0 1,2,4-TRICHLOROBENZENE	ND		ug/L	625.1		0-0		MB	
	0 1,2-DIPHENYLHYDRAZINE	ND		ug/L	625.1		0-0		MB	
	0 2,4-DINITROTOLUENE	ND		ug/L	625.1		0-0		MB	
	0 2,6-DINITROTOLUENE	ND		ug/L	625.1		0-0		MB	
	0 2-CHLORONAPHTHALENE	ND		ug/L	625.1		0-0		MB	
	0 3,3-DICHLOROBENZIDINE	ND		ug/L	625.1		0-0		MB	
	0 4-BROMOPHENYL PHENYL ETHER	ND		ug/L	625.1		0-0		MB	
	0 4-CHLOROPHENYL PHENYL ETHER	ND		ug/L	625.1		0-0		MB	
	0 ACENAPHTHENE	ND		ug/L	625.1		0-0		MB	
	0 ACENAPHTHYLENE	ND		ug/L	625.1		0-0		MB	
	0 ANTHRACENE	ND		ug/L	625.1		0-0		MB	
	0 BENZ[A]ANTHRACENE	ND		ug/L	625.1		0-0		MB	
	0 BENZIDINE	ND		ug/L	625.1		0-0		MB	
	0 BENZO(A)PYRENE	ND		ug/L	625.1		0-0		MB	
	0 BENZO[B]FLUORANTHENE	ND		ug/L	625.1		0-0		MB	
	0 BENZO[G,H,I]PERYLENE	ND		ug/L	625.1		0-0		MB	
	0 BENZO[K]FLUORANTHENE	ND		ug/L	625.1		0-0		MB	
	0 BENZYL BUTYL PHTHALATE	ND		ug/L	625.1		0-0		MB	
	0 BIS(2-CHLORO-1-METHYLETHYL)ETHER	ND		ug/L	625.1		0-0		MB	
	0 Bis(2-CHLOROETHOXY)METHANE	ND		ug/L	625.1		0-0		MB	
	0 BIS(2-CHLOROETHYL)ETHER	ND		ug/L	625.1		0-0		MB	
	0 CHRYSENE	ND		ug/L	625.1		0-0		MB	
	0 DI(2-ETHYLHEXYL)PHTHALATE	ND		ug/L	625.1		0-0		MB	
	0 DIBENZO[A,H]ANTHRACENE	ND		ug/L	625.1		0-0		MB	
	0 DIETHYL PHTHALATE	ND		ug/L	625.1		0-0		MB	
	0 DIMETHYL PHTHALATE	ND		ug/L	625.1		0-0		MB	
	0 DI-N-BUTYL PHTHALATE	ND		ug/L	625.1		0-0		MB	
	0 DI-N-OCTYL PHTHALATE	ND		ug/L	625.1		0-0		MB	
	0 FLUORANTHENE	ND		ug/L	625.1		0-0		MB	
	0 FLUORENE	ND		ug/L	625.1		0-0		MB	
	0 HEXACHLOROBENZENE	ND		ug/L	625.1		0-0		MB	
	0 HEXACHLOROBUTADIENE	ND		ug/L	625.1		0-0		MB	
	0 HEXACHLOROCYCLOPENTADIENE	ND		ug/L	625.1		0-0		MB	
	0 HEXACHLOROETHANE	ND		ug/L	625.1		0-0		MB	
	0 INDENO[1,2,3,C,D]PYRENE	ND		ug/L	625.1		0-0		MB	
	0 ISOPHORONE	ND		ug/L	625.1		0-0		MB	
	0 NAPHTHALENE	ND		ug/L	625.1		0-0		MB	
	0 NITROBENZENE	ND		ug/L	625.1		0-0		MB	
	0 N-NITROSODIMETHYLAMINE	ND		ug/L	625.1		0-0		MB	
	0 N-NITROSODI-N-PROPYLAMINE	ND		ug/L	625.1		0-0		MB	
	0 N-NITROSODIPHENYLAMINE	ND		ug/L	625.1		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **22-30019**

Report Date: 10/12/22

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Method Blank										
625_220909	0 PHENANTHRENE	ND		ug/L	625.1		0-0		MB	
	0 PYRENE	ND		ug/L	625.1		0-0		MB	
	0 3-METHYL CHOLANTHRENE	ND		ug/L	625.1		0-0		MB	
	0 BENZO(J)FLUORANTHENE	ND		ug/L	625.1		0-0		MB	
	0 BENZO(R,S,T)PENTAPHENE	ND		ug/L	625.1		0-0		MB	
	0 DIBENZO(A,E)PYRENE	ND		ug/L	625.1		0-0		MB	
	0 DIBENZO(A,H)ACRIDINE	ND		ug/L	625.1		0-0		MB	
	0 DIBENZO(A,H)PYRENE	ND		ug/L	625.1		0-0		MB	
	0 DIBENZO(A,J)ACRIDINE	ND		ug/L	625.1		0-0		MB	
	0 PERYLENE	ND		ug/L	625.1		0-0		MB	
Quality Control Sample										
200.8_220929B2	0 ANTIMONY	0.039	0.04	mg/L	200.8	98	90-110		QCS	
	0 ARSENIC	0.0397	0.04	mg/L	200.8	99	90-110		QCS	
	0 BERYLLIUM	0.0395	0.04	mg/L	200.8	99	90-110		QCS	
	0 CADMIUM	0.0395	0.04	mg/L	200.8	99	90-110		QCS	
	0 CHROMIUM	0.0407	0.04	mg/L	200.8	102	90-110		QCS	
	0 COPPER	0.0404	0.04	mg/L	200.8	101	90-110		QCS	
	0 LEAD	0.0392	0.04	mg/L	200.8	98	90-110		QCS	
	0 NICKEL	0.0401	0.04	mg/L	200.8	100	90-110		QCS	
	0 SELENIUM	0.0393	0.04	mg/L	200.8	98	90-110		QCS	
	0 SILVER	0.021	0.02	mg/L	200.8	105	90-110		QCS	
	0 THALLIUM	0.0389	0.04	mg/L	200.8	97	90-110		QCS	
	0 ZINC	0.0364	0.04	mg/L	200.8	91	90-110		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt



SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
200.8_220929B2										
7440-38-2	52725	ARSENIC	0.0024	0.0024	mg/L	0.0	0-20		DUP	
7440-43-9	52725	CADMIUM	0.0003	0.0003	mg/L	0.0	0-20		DUP	
7440-47-3	52725	CHROMIUM	0.0052	0.0052	mg/L	0.0	0-20		DUP	
7440-50-8	52725	COPPER	0.0645	0.0713	mg/L	10.0	0-20		DUP	
7439-92-1	52725	LEAD	0.0017	0.0017	mg/L	0.0	0-20		DUP	
7440-02-0	52725	NICKEL	0.0044	0.0047	mg/L	6.6	0-20		DUP	
7782-49-2	52725	SELENIUM	0.0015	0.0018	mg/L	18.2	0-20	IEV	DUP	
7440-66-6	52725	ZINC	0.280	0.285	mg/L	1.8	0-20		DUP	
7440-50-8	57694	COPPER	0.0029	0.0030	mg/L	3.4	0-20		DUP	
7440-50-8	58615	COPPER	0.0006	0.0004	mg/L	40.0	0-20	IEV	DUP	
7440-50-8	62035	COPPER	0.0388	0.0373	mg/L	3.9	0-20		DUP	
7439-92-1	62035	LEAD	0.0042	0.0035	mg/L	18.2	0-20		DUP	
7440-66-6	62035	ZINC	0.300	0.297	mg/L	1.0	0-20		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent2.rpt

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		
								MS	MSD				Qualifier	Type	Comments
200.8_220929B2															
7440-38-2	52725	ARSENIC	0.0024	0.0150		0.0125	mg/L	101		70-130	NA	0-20		LFM	
7440-43-9	52725	CADMIUM	0.0003	0.0128		0.0125	mg/L	100		70-130	NA	0-20		LFM	
7440-47-3	52725	CHROMIUM	0.0052	0.0183		0.0125	mg/L	105		70-130	NA	0-20		LFM	
7440-50-8	52725	COPPER	0.0645	0.0829		0.0125	mg/L	147		70-130	NA	0-20	IS	LFM	
7439-92-1	52725	LEAD	0.0017	0.0142		0.0125	mg/L	100		70-130	NA	0-20		LFM	
7440-02-0	52725	NICKEL	0.0044	0.0172		0.0125	mg/L	102		70-130	NA	0-20		LFM	
7782-49-2	52725	SELENIUM	0.0015	0.0120		0.0125	mg/L	84		70-130	NA	0-20		LFM	
7440-66-6	52725	ZINC	0.280	0.333		0.0125	mg/L	424		70-130	NA	0-20	IS	LFM	
7440-50-8	57694	COPPER	0.0029	0.0154		0.0125	mg/L	100		70-130	NA	0-20		LFM	
7440-50-8	58615	COPPER	0.0006	0.0136		0.0125	mg/L	104		70-130	NA	0-20		LFM	
7440-50-8	62035	COPPER	0.0388	0.0905		0.050	mg/L	103		70-130	NA	0-20		LFM	
7439-92-1	62035	LEAD	0.0042	0.0535		0.050	mg/L	99		70-130	NA	0-20		LFM	
7440-66-6	62035	ZINC	0.300	0.340		0.050	mg/L	80		70-130	NA	0-20		LFM	
624_220909															
75-34-3	57667	1,1 - DICHLOROETHANE	ND	3.6	3.8	4	ug/L	90	95	59-155	5.4	0-40		LFM	
75-35-4	57667	1,1 - DICHLOROETHYLENE	ND	3.9	4.0	4	ug/L	98	100	1-234	2.5	0-32		LFM	
71-55-6	57667	1,1,1 - TRICHLOROETHANE	ND	3.7	3.9	4	ug/L	93	98	52-162	5.3	0-36		LFM	
79-00-5	57667	1,1,2 - TRICHLOROETHANE	ND	3.2	3.4	4	ug/L	80	85	52-150	6.1	0-45		LFM	
79-34-5	57667	1,1,2,2 - TETRACHLOROETHANE	ND	3.7	4.1	4	ug/L	93	103	46-157	10.3	0-61		LFM	
107-06-2	57667	1,2 - DICHLOROETHANE	ND	3.4	3.6	4	ug/L	85	90	49-155	5.7	0-49		LFM	
78-87-5	57667	1,2 - DICHLOROPROPANE	ND	3.2	3.4	4	ug/L	80	85	1-210	6.1	0-55		LFM	
95-50-1	57667	1,2-DICHLOROBENZENE	ND	3.9	4.4	4	ug/L	98	110	18-190	12.0	0-57		LFM	
541-73-1	57667	1,3-DICHLOROBENZENE	ND	4.1	4.4	4	ug/L	103	110	59-156	7.1	0-43		LFM	
106-46-7	57667	1,4-DICHLOROBENZENE	ND	4.1	4.5	4	ug/L	103	113	18-190	9.3	0-57		LFM	
110-75-8	57667	2-CHLOROETHYL VINYL ETHER	ND	6.2	8.0	10	ug/L	62	80	2-305	25.4	0-71		LFM	
107-02-8	57667	ACROLEIN	ND	6.1	7.9	10	ug/L	61	79	40-160	25.7	0-60		LFM	
107-13-1	57667	ACRYLONITRILE	ND	8.7	9.9	10	ug/L	87	99	40-160	12.9	0-60		LFM	
71-43-2	57667	BENZENE	ND	3.6	3.7	4	ug/L	90	93	37-151	2.7	0-61		LFM	
75-27-4	57667	BROMODICHLOROMETHANE	ND	3.4	3.7	4	ug/L	85	93	35-155	8.5	0-56		LFM	
75-25-2	57667	BROMOFORM	ND	3.9	4.3	4	ug/L	98	108	45-169	9.8	0-42		LFM	
74-83-9	57667	BROMOMETHANE	ND	2.8	3.1	4	ug/L	70	78	1-242	10.2	0-61		LFM	
56-23-5	57667	CARBON TETRACHLORIDE	ND	3.9	4.0	4	ug/L	98	100	70-140	2.5	0-41		LFM	
108-90-7	57667	CHLOROBENZENE	ND	3.7	4.0	4	ug/L	93	100	37-160	7.8	0-53		LFM	
124-48-1	57667	CHLORODIBROMOMETHANE	ND	3.3	3.5	4	ug/L	83	88	53-149	5.9	0-50		LFM	
75-00-3	57667	CHLOROETHANE	ND	3.9	4.0	4	ug/L	98	100	14-230	2.5	0-78		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent2.rpt

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC Qualifier	Type	Comments
								MS	MSD						
67-66-3	57667	CHLOROFORM	1.1	4.8	5.0	4	ug/L	93	98	51-138	5.3	0-54		LFM	
74-87-3	57667	CHLOROMETHANE	ND	3.6	3.6	4	ug/L	90	90	1-273	0.0	0-60		LFM	
10061-01-5	57667	CIS - 1,3 - DICHLOROPROPENE	ND	3.3	3.5	4	ug/L	83	88	1-227	5.9	0-58		LFM	
75-71-8	57667	DICHLORODIFLUOROMETHANE	ND	3.0	3.0	4	ug/L	75	75	70-130	0.0	0-20		LFM	
100-41-4	57667	ETHYLBENZENE	ND	4.3	4.5	4	ug/L	108	113	37-162	4.5	0-63		LFM	
75-09-2	57667	METHYLENE CHLORIDE	ND	3.4	3.5	4	ug/L	85	88	1-221	2.9	0-28		LFM	
156-60-5	57667	T - 1,2 - DICHLOROETHYLENE	ND	3.6	3.7	4	ug/L	90	93	54-156	2.7	0-45		LFM	
127-18-4	57667	TETRACHLOROETHYLENE	ND	3.9	3.9	4	ug/L	98	98	64-148	0.0	0-39		LFM	
108-88-3	57667	TOLUENE	ND	3.6	3.7	4	ug/L	90	93	47-150	2.7	0-41		LFM	
10061-02-6	57667	TRANS- 1,3 - DICHLOROPROPENE	ND	3.1	3.6	4	ug/L	78	90	17-183	14.9	0-86		LFM	
79-01-6	57667	TRICHLOROETHYLENE	ND	3.7	3.9	4	ug/L	93	98	70-157	5.3	0-48		LFM	
75-69-4	57667	TRICHLOROFLUOROMETHANE	ND	6.6	4.3	4	ug/L	165	108	17-181	42.2	0-84		LFM	
75-01-4	57667	VINYL CHLORIDE	ND	3.3	3.7	4	ug/L	83	93	1-251	11.4	0-66		LFM	
625_220909															
321-60-8	57667	2 - FLUOROBIPHENYL (Surr)	53	67	44	SA	%		NA	53-140	NA	0-20		LFM	
367-12-4	57667	2 - FLUOROPHENOL (Surr)	37	42	29		%		NA	29-140	NA	0-20		LFM	
118-79-6	57667	2,4,6 - TRIBROMOPHENOL (Surr)	68	78	49		%		NA	39-140	NA	0-20		LFM	
98-95-3	57667	d5-NITROBENZENE (Surr)	58	66	47	SA	%		NA	50-140	NA	0-20		LFM	
108-95-2	57667	d5-PHENOL (Surr)	25	30	22	SA	%		NA	23-140	NA	0-20		LFM	
1718-51-0	57667	p-TERPHENYL-d14 (Surr)	63	71	38	SA	%		NA	60-140	NA	0-20		LFM	
120-82-1	57667	1,2,4-TRICHLOROBENZENE	ND	6.1	4.4	10	ug/L	61	44	44-142	32.4	0-50		LFM	
122-66-7	57667	1,2-DIPHENYLHYDRAZINE	ND	7.3	4.9	M2 10	ug/L	73	49	67-127	39.3	0-40		LFM	
88-06-2	57667	2,4,6-TRICHLOROPHENOL	ND	7.3	4.5	10	ug/L	73	45	37-144	47.5	0-58		LFM	
120-83-2	57667	2,4-DICHLOROPHENOL	ND	7.0	4.9	10	ug/L	70	49	39-135	35.3	0-50		LFM	
105-67-9	57667	2,4-DIMETHYLPHENOL	ND	7.2	5.1	10	ug/L	72	51	32-120	34.1	0-58		LFM	
51-28-5	57667	2,4-DINITROPHENOL	ND	2.4	1.1	10	ug/L	24	11	1-191	74.3	0-132		LFM	
121-14-2	57667	2,4-DINITROTOLUENE	ND	7.6	4.9	10	ug/L	76	49	39-139	43.2	0-42	R4	LFM	
606-20-2	57667	2,6-DINITROTOLUENE	ND	7.2	5.0	10	ug/L	72	50	50-158	36.1	0-48		LFM	
91-58-7	57667	2-CHLORONAPHTHALENE	ND	6.8	4.4	M2 10	ug/L	68	44	60-120	42.9	0-24	R1	LFM	
95-57-8	57667	2-CHLOROPHENOL	ND	6.3	4.5	10	ug/L	63	45	23-134	33.3	0-61		LFM	
88-75-5	57667	2-NITROPHENOL	ND	7.1	4.8	10	ug/L	71	48	29-182	38.7	0-55		LFM	
91-94-1	57667	3,3-DICHLOROBENZIDINE	ND	0.3	0.5	1	ug/L	30	50	1-262	50.0	0-108		LFM	
56-49-5	57667	3-METHYL CHOLANTHRENE	ND	6.7	3.6	10	ug/L	67	36	5-125	60.2	0-40	R4	LFM	
534-52-1	57667	4,6-DINITRO-2-METHYLPHENOL	ND	5.1	2.5	10	ug/L	51	25	1-181	68.4	0-203		LFM	
101-55-3	57667	4-BROMOPHENYL PHENYL ETHER	ND	7.5	4.9	M2 10	ug/L	75	49	53-127	41.9	0-43		LFM	
59-50-7	57667	4-CHLORO-3-METHYLPHENOL	ND	7.8	4.9	10	ug/L	78	49	22-147	45.7	0-73		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent2.rpt

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		
				Spike Result	Spike			MS	MSD				Qualifier	Type	Comments
7005-72-3	57667	4-CHLOROPHENYL PHENYL ETHER	ND	7.8	4.8	10	ug/L	78	48	25-158	47.6	0-61		LFM	
100-02-7	57667	4-NITROPHENOL	ND	3.2	1.5	10	ug/L	32	15	1-132	72.3	0-131		LFM	
83-32-9	57667	ACENAPHTHENE	ND	6.9	4.4	M2 10	ug/L	69	44	47-145	44.2	0-48		LFM	
208-96-8	57667	ACENAPHTHYLENE	ND	7.0	4.6	10	ug/L	70	46	33-145	41.4	0-74		LFM	
120-12-7	57667	ANTHRACENE	ND	7.3	4.7	10	ug/L	73	47	27-133	43.3	0-66		LFM	
56-55-3	57667	BENZ[A]ANTHRACENE	ND	7.6	4.2	10	ug/L	76	42	33-143	57.6	0-53	R4	LFM	
92-87-5	57667	BENZIDINE	ND	ND	ND	25	ug/L		NA	1-59	NA	0-40	P	LFM	
50-32-8	57667	BENZO(A)PYRENE	ND	6.7	3.6	10	ug/L	67	36	17-163	60.2	0-72		LFM	
205-82-3	57667	BENZO(J)FLUORANTHENE	ND	14.1	8.0	20	ug/L	71	40	21-123	55.2	0-40	R4	LFM	
189-55-9	57667	BENZO(R,S,T)PENTAPHENE	ND	6.4	4.0	10	ug/L	64	40	1-156	46.2	0-40	R4	LFM	
205-99-2	57667	BENZO(B)FLUORANTHENE	ND	13.4	7.5	20	ug/L	67	38	24-159	56.5	0-71		LFM	
191-24-2	57667	BENZO[G,H,I]PERYLENE	ND	6.6	3.4	10	ug/L	66	34	1-219	64.0	0-97		LFM	
207-08-9	57667	BENZO[K]FLUORANTHENE	ND	7.4	3.6	10	ug/L	74	36	11-162	69.1	0-63	R4	LFM	
85-68-7	57667	BENZYL BUTYL PHTHALATE	ND	7.4	4.5	10	ug/L	74	45	1-152	48.7	0-60		LFM	
108-60-1	57667	BIS(2-CHLORO-1-METHYLETHYL)ETHENE	ND	6.1	4.5	10	ug/L	61	45	36-166	30.2	0-76		LFM	
111-91-1	57667	Bis(2-CHLOROETHOXY)METHANE	ND	7.0	4.9	10	ug/L	70	49	33-184	35.3	0-54		LFM	
111-44-4	57667	BIS(2-CHLOROETHYL)ETHER	ND	6.0	4.3	10	ug/L	60	43	12-158	33.0	0-108		LFM	
218-01-9	57667	CHRYSENE	ND	7.5	4.2	10	ug/L	75	42	17-168	56.4	0-87		LFM	
117-81-7	57667	DI(2-ETHYLHEXYL)PHTHALATE	ND	5.2	2.2	10	ug/L	52	22	8-158	81.1	0-82		LFM	
192-65-4	57667	DIBENZO(A,E)PYRENE	ND	6.6	3.1	10	ug/L	66	31	1-154	72.2	0-40	R4	LFM	
226-36-8	57667	DIBENZO(A,H)ACRIDINE	ND	8.5	5.0	10	ug/L	85	50	25-133	51.9	0-40	R4	LFM	
189-64-0	57667	DIBENZO(A,H)PYRENE	ND	5.9	2.9	10	ug/L	59	29	4-160	68.2	0-40	R4	LFM	
224-42-0	57667	DIBENZO(A,J)ACRIDINE	ND	8.8	5.3	10	ug/L	88	53	31-139	49.6	0-40	R4	LFM	
53-70-3	57667	DIBENZO[A,H]ANTHRACENE	ND	7.7	4.0	10	ug/L	77	40	1-227	63.2	0-126		LFM	
84-66-2	57667	DIETHYL PHTHALATE	ND	7.7	5.0	10	ug/L	77	50	1-120	42.5	0-100		LFM	
131-11-3	57667	DIMETHYL PHTHALATE	ND	7.0	4.4	10	ug/L	70	44	1-120	45.6	0-183		LFM	
84-74-2	57667	DI-N-BUTYL PHTHALATE	ND	7.5	4.9	10	ug/L	75	49	1-120	41.9	0-47		LFM	
117-84-0	57667	DI-N-OCTYL PHTHALATE	ND	4.6	2.0	10	ug/L	46	20	4-146	78.8	0-69	R4	LFM	
206-44-0	57667	FLUORANTHENE	ND	7.5	4.7	10	ug/L	75	47	26-137	45.9	0-66		LFM	
86-73-7	57667	FLUORENE	ND	7.3	4.5	M2 10	ug/L	73	45	59-121	47.5	0-38	R1	LFM	
118-74-1	57667	HEXACHLORO BENZENE	ND	7.2	4.7	10	ug/L	72	47	1-152	42.0	0-55		LFM	
87-68-3	57667	HEXACHLOROBUTADIENE	ND	5.4	3.6	10	ug/L	54	36	24-120	40.0	0-62		LFM	
77-47-4	57667	HEXACHLOROCYCLOPENTADIENE	ND	2.7	2.0	10	ug/L	27	20	1-142	29.8	0-40		LFM	
67-72-1	57667	HEXACHLOROETHANE	ND	4.9	3.6	M2 10	ug/L	49	36	40-120	30.6	0-52		LFM	
193-39-5	57667	INDENO[1,2,3-C,D]PYRENE	ND	7.2	3.8	10	ug/L	72	38	1-171	61.8	0-99		LFM	
78-59-1	57667	ISOPHORONE	ND	6.9	4.8	10	ug/L	69	48	21-196	35.9	0-93		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent2.rpt

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC		
								MS	MSD				Qualifier	Type	Comments
91-20-3	57667	NAPHTHALENE	ND	6.2	4.2	10	ug/L	62	42	21-133	38.5	0-65		LFM	
98-95-3	57667	NITROBENZENE	ND	6.3	4.7	10	ug/L	63	47	35-180	29.1	0-62		LFM	
62-75-9	57667	N-NITROSODIMETHYLAMINE	ND	4.4	3.1	10	ug/L	44	31	19-109	34.7	0-40		LFM	
621-64-7	57667	N-NITROSODI-N-PROPYLAMINE	ND	6.7	4.8	10	ug/L	67	48	1-230	33.0	0-87		LFM	
86-30-6	57667	N-NITROSODIPHENYLAMINE	ND	7.6	5.0	M2 10	ug/L	76	50	61-139	41.3	0-40	R1	LFM	
87-86-5	57667	PENTACHLOROPHENOL	ND	2.4	1.4	10	ug/L	24	14	14-176	52.6	0-86		LFM	
198-55-0	57667	PERYLENE	ND	5.4	3.0	10	ug/L	54	30	18-114	57.1	0-40	R4	LFM	
85-01-8	57667	PHENANTHRENE	ND	7.4	4.7	M2 10	ug/L	74	47	54-120	44.6	0-39	R1	LFM	
108-95-2	57667	PHENOL	ND	3.0	2.1	10	ug/L	30	21	5-120	35.3	0-64		LFM	
129-00-0	57667	PYRENE	ND	8.0	5.1	M2 10	ug/L	80	51	52-120	44.3	0-49		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent2.rpt



QUALITY CONTROL REPORT SURROGATE REPORT

Reference Number: 22-30019

Report Date: 10/12/22

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
625_220909 58274	2,4,6 - TRIBROMOPHENOL (Surr)	31	SA	%	625.1	
	2 - FLUOROBIPHENYL (Surr)	36	SA	%		
	2 - FLUOROPHENOL (Surr)	18	SA	%		
	d5-PHENOL (Surr)	16	SA	%		
	p-TERPHENYL-d14 (Surr)	41	SA	%		
	d5-NITROBENZENE (Surr)	38	SA	%		
624_220909 58275	1,2 - DICHLOROETHANE-d4 (Surr)	102		%	624.1	Acceptance Limit 70-130%
	4-BROMOFLUOROBENZENE (Surr)	96		%		Acceptance Limit 70-130%
	d8-TOLUENE (Surr)	91		%		Acceptance Limit 70-130%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a meA surrogate is a pure compound added to a sample in the lab.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 22-30019

Report Date: 10/12/22

Qualifier	Definition
IEV	Acceptance criteria do not apply to estimated values
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
M2	Matrix bias indicated, the LFB is within acceptance limits. Results for this compound is suspect as biased high.
P	The Laboratory Fortified Blank was within limits. Little or No recovery of the MS/MSD indicates matrix effects. Detection at the reported amount may not have been achieved.
R1	RPD/RSD exceeded the method acceptance limit. See case narrative.
R4	MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
SA	Surrogate recovery outside method acceptance limits. CCV target compound recovery meets method requirements.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request 22-30019

(Please use 509-377-5827)

shaded sections)

Page _____ of _____



ANALYTICAL

Main Lab (800-755-9295)

1620 South Walnut St Burlington, WA 98233

Microbiology (888-725-1212)

805 W Orchard Dr Suite 4 Bellingham, WA 98225

Wilsonville Lab (503-682-7802)

9725 SW Commerce Cir Ste A2 Wilsonville, OR 97070

Corvallis Lab (541-753-4946)

1100 NE Circle Blvd, Ste 130, Corvallis, OR 97330

Bend Lab (541-639-8425)

20332 Empire Ave Ste F4, Bend, OR 97703

Report to: Energy Northwest	Bill to: Energy Northwest	ENE01
Ship Address: 350 Hills St	Address: 350 Hills St #107	
City: Richland St: WA Zip: 99354	City: Richland St: WA Zip: 99354	
Attn: Jane LePage	Phone: 509-377-2387	FAX:
Phone: 509.3778692 FAX: 3778464	P.O.#:	Attn: Elaine Jones
Email: jtlepage@energy-northwest.com	☐ Visa ☐ M/C ☐ A/E	Expires /
Project: Priority Pollutants	Card#:	

For Lab Use Only	
Ref #	
Check Regulatory Program	
☐ Safe Drinking Water Act	
☒ Clean Water Act	
☐ RCRA / CERCLA	
☐ Other	

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. List each metal individually
4. Check off analyses to be performed for each sample Location.
5. Enter number of containers.
6. (NEW) Report to ___ MDL or ___ PQL (NEW)

Analyses Requested

Turn Around Time Required

- ☒ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge) Phone Call Req.
- ☐ Emergency (Phone Call Req.)



CO053424

Field ID	Location	Grab/Comp.	Sample Matrix*	Date	Time	624	625 BNA	Priority Pollutant Metals	TRIP BLANK (VOCs)							Number of Containers	Special Instructions Conditions on Receipt
1	230214-01	CW 24-hr Composite	Comp	WW	9-6-22	8:30		☒	☒							4	
2	230214-02	CW Grab			1	1	☒									9	
3	230214-06	Field blank VOC							☒							3	
4																	
5																	
6																	
7	* Please See attached for AL/DL requirements																
8	of NPDES permit																
9	Please include CAS + EDD with report																

**Are there known hazardous or dangerous wastes in these samples? YES ☒ NO ☐ If YES, indicate type on reverse of this form; samples may be returned to you.

16 Total Containers

Sampled by: Jane LePage Phone: 509-377-4061 FAX: Email: jtlepage@energy-northwest.com

Sample Receipt Request (Must include FAX or Email) ☒

* W - water SW - surface water WW - waste water SL - salt water
DW - drinking water ST - storm water S - soil OL - oil

Other:

**Relinquished by	Date	Time	Received by	Date	Time
Jane LePage	9-7-22	1430			

Custody seals intact

Sample temp ___ C satisfactory

Samples received intact

Chain of custody & labels agree

Yes No N/A

Handwritten signature/initials

Pollutant & CAS No. (if available)	Recommended Analytical Protocol	Detection (DL) ¹ µg/L unless specified	Quantitation Level (QL) ² µg/L unless specified
Tin, Total (7440-31-5)	200.8	0.3	1.5 NA
Titanium, Total (7440-32-6)	200.8	0.5	2.5 NA

PRIORITY POLLUTANTS

Pollutant & CAS No. (if available)	Recommended Analytical Protocol	Detection (DL) ¹ µg/L unless specified	Quantitation Level (QL) ² µg/L unless specified
METALS, CYANIDE & TOTAL PHENOLS			
Antimony, Total (7440-36-0)	200.8	0.3	1.0
Arsenic, Total (7440-38-2)	200.8	0.1	0.5
Beryllium, Total (7440-41-7)	200.8	0.1	0.5
Cadmium, Total (7440-43-9)	200.8	0.05	0.25
Chromium (hex) dissolved (18540-29-9)	SM3500-Cr EC	0.3	1.2 Not needed
Chromium, Total (7440-47-3)	200.8	0.2	1.0
Copper, Total (7440-50-8)	200.8	0.4	2.0
Lead, Total (7439-92-1)	200.8	0.1	0.5
Mercury, Total (7439-97-6)	1631E	0.0002	0.0005 Anatek
Nickel, Total (7440-02-0)	200.8	0.1	0.5
Selenium, Total (7782-49-2)	200.8	1.0	1.0
Silver, Total (7440-22-4)	200.8	0.04	0.2
Thallium, Total (7440-28-0)	200.8	0.09	0.36
Zinc, Total (7440-66-6)	200.8	0.5	2.5
Cyanide, Total (57-12-5)	335.4	5	10 Not needed
Cyanide, Weak Acid Dissociable	SM4500-CN I	5	10 Not needed
Cyanide, Free Amenable to Chlorination (Available Cyanide)	SM4500-CN G	5	10 Not needed
Phenols, Total	EPA 420.1		50 Not needed

Pollutant & CAS No. (if available)	Recommended Analytical Protocol	Detection (DL) ¹ µg/L unless specified	Quantitation Level (QL) ² µg/L unless specified
ACID COMPOUNDS			
2-Chlorophenol (95-57-8)	625	1.0	2.0
2,4-Dichlorophenol (120-83-2)	625	0.5	1.0
2,4-Dimethylphenol (105-67-9)	625	0.5	1.0
4,6-dinitro-o-cresol (534-52-1) (2-methyl-4,6,-dinitrophenol)	625/1625B	1.0	2.0
2,4 dinitrophenol (51-28-5)	625	1.0	2.0
2-Nitrophenol (88-75-5)	625	0.5	1.0
4-nitrophenol (100-02-7)	625	0.5	1.0
Parachlorometa cresol (59-50-7) (4-chloro-3-methylphenol)	625	1.0	2.0
Pentachlorophenol (87-86-5)	625	0.5	1.0
Phenol (108-95-2)	625	2.0	4.0

Pollutant & CAS No. (if available)	Recommended Analytical Protocol	Detection (DL) ¹ µg/L unless specified	Quantitation Level (QL) ² µg/L unless specified
VOLATILE COMPOUNDS			
Vinyl chloride (75-01-4)	624/SM6200B	1.0	2.0

PRIORITY POLLUTANTS (continued)

Pollutant & CAS No. (if available)	Recommended Analytical Protocol	Detection (DL) ¹ µg/L unless specified	Quantitation Level (QL) ² µg/L unless specified
BASE/NEUTRAL COMPOUNDS (compounds in bold are Ecology PBTs)			
Acenaphthene (83-32-9)	625	0.2	0.4
Acenaphthylene (208-96-8)	625	0.3	0.6
Anthracene (120-12-7)	625	0.3	0.6
Benzidine (92-87-5)	625	12	24
Benzyl butyl phthalate (85-68-7)	625	0.3	0.6
Benzo(a)anthracene (56-55-3)	625	0.3	0.6
Benzo(b)fluoranthene (3,4-benzofluoranthene) (205-99-2) ⁷	610/625	0.8	1.6
Benzo(j)fluoranthene (205-82-3) ⁷	625	0.5	1.0
Benzo(k)fluoranthene (11,12-benzofluoranthene) (207-08-9) ⁷	610/625	0.8	1.6
Benzo(r,s,t)pentaphene (189-55-9)	625	0.5	1.0
Benzo(a)pyrene (50-32-8)	610/625	0.5	1.0
Benzo(ghi)Perylene (191-24-2)	610/625	0.5	1.0
Bis(2-chloroethoxy)methane (111-91-1)	625	5.3	21.2
Bis(2-chloroethyl)ether (111-44-4)	611/625	0.3	1.0
Bis(2-chloroisopropyl)ether (39638-32-9)	625	0.3	0.6
Bis(2-ethylhexyl)phthalate (117-81-7)	625	0.1	0.5
4-Bromophenyl phenyl ether (101-55-3)	625	0.2	0.4
2-Chloronaphthalene (91-58-7)	625	0.3	0.6
4-Chlorophenyl phenyl ether (7005-72-3)	625	0.3	0.5
Chrysene (218-01-9)	610/625	0.3	0.6
Dibenzo (a,h)acridine (226-36-8)	610M/625M	2.5	10.0
Dibenzo (a,j)acridine (224-42-0)	610M/625M	2.5	10.0
Dibenzo(a-h)anthracene (53-70-3)(1,2,5,6-dibenzanthracene)	625	0.8	1.6
Dibenzo(a,e)pyrene (192-65-4)	610M/625M	2.5	10.0
Dibenzo(a,h)pyrene (189-64-0)	625M	2.5	10.0



Packing List

ANALYTICAL

Page 1 of 1

Packing Number: 53424
Client: Energy Northwest
Project Name: Priority Pollutants

Analysis	Container	Preservative	Number of Container	Sets
Sample Not Provided				
(624) Neutral Trip Blank	40mL Vial	<6C	1	1
(624) pH2 Trip Blank	40mL Vial	HCL ACID ONLY<6C	1	1
(624) Trip Blank	40mL Vial	Ascorbic acid ONLY <4C	1	1
1631E	250mL Plastic (Clean)	BrCl (A381-02)	1	1
1631E Field Blank	250mL Plastic (Clean)	BrCl (A381-02)	1	1
218.6 (Cr+6) FILTERED	100mL Plastic	<4 C, pH 9, Amm. Buffer	3	1
624	40mL Vial	Ascorbic acid ONLY <4C	3	1
624 Neutral	40mL Vial	<6C	3	1
624 pH2	40mL Vial	HCL ACID ONLY<6C	3	1
625 BNA	1L BR	<4C	2	1
Buffer	5mL Green cap	Amm. Buffer	1	1
Field Blank Water	1L Clean H2O	None	1	1
Filter 0.45 for Syringe			1	1
Gloves (Clean, 2 Pair)	Double Ziplock bag		1	1
Gloves (Dirty, 2 Pair)	Double Ziplock bag		1	1
Plastic Pipette			1	1
Syringe 10mL			1	1
Total Metals	500mL Plastic	HNO3 pH<4 (In-Lab)	1	1
TRIP BLANK (VOCs)	40mL Vial	SAME AS CONTAINER	1	1
UNFILTERED 218.6 (Cr+6)	250mL Plastic		1	1

Cr⁶⁺ and 1631E mercury tests
not needed. Kits not used.

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Client: Energy Northwest
Address: 350 Hills St Suite 107
Richland, WA 99354
Attn: Environmental Services

Work Order: MCI0323
Project: 230214
Reported: 9/26/2022 16:28

Analytical Results Report

Sample Location: 230214-02 (CW Grab)
Lab/Sample Number: MCI0323-01 **Collect Date:** 09/07/22 11:55
Date Received: 09/09/22 12:54 **Collected By:**
Matrix: Wastewater

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Mercury							
Mercury	0.00388	ug/L	0.000500	9/20/22 15:40	BSM	EPA 1631 E	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: 230214-05 (Field Blank)
Lab/Sample Number: MCI0323-02 Collect Date: 09/07/22 11:55
Date Received: 09/09/22 12:54 Collected By:
Matrix: Wastewater

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Mercury							
Mercury	ND	ug/L	0.000500	9/20/22 15:47	BSM	EPA 1631 E	U

Authorized Signature,



Justin Doty For Todd Taruscio, Laboratory Manager

J The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U Compound was analyzed for but not detected
PQL Practical Quantitation Limit
ND Not Detected
MCL EPA's Maximum Contaminant Level
Dry Sample results reported on a dry weight basis
* Not a state-certified analyte

RPD Relative Percent Difference
%REC Percent Recovery
Source Sample that was spiked or duplicated.

This report shall not be reproduced except in full, without the written approval of the laboratory
The results reported related only to the samples indicated.

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Quality Control Data

Mercury

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCI0556 - Hg Trace										
Blank (BCI0556-BLK1)										
Mercury	ND	U	0.000500	ug/L	Prepared: 9/19/2022 Analyzed: 9/20/2022					
LCS (BCI0556-BS1)										
Mercury	0.00491		0.000500	ug/L	0.00500		98.2	77-123		
Matrix Spike (BCI0556-MS1)										
			Source: MCI0329-01		Prepared: 9/19/2022 Analyzed: 9/20/2022					
Mercury	0.00591		0.000500	ug/L	0.00500	0.00140	90.1	71-125		
Matrix Spike Dup (BCI0556-MSD1)										
			Source: MCI0329-01		Prepared: 9/19/2022 Analyzed: 9/20/2022					
Mercury	0.00590		0.000500	ug/L	0.00500	0.00140	89.9	71-125	0.203	24

350 Hills Street, Suite 107
Richland, WA 99354-5511
(509) 377-8058 Fax: (509) 377-8464

Chain of Custody

9/7/2022

MCI0323



Due: 09/23/22

Sample ID	Customer ID	Site	Sample Location	Matrix	Date/Time Coll'd	Preservative		
230214-01	CW 24 hr composite	CW		Water/Waste Water	9/6/2022 8:30	Ship	Chloride/Boron	EPA 1613B
						HNO3 (1), ship	Carbon	EPA 200.8
						HNO3 (1), ship	Carbon	EPA 200.8
						Ship, Anatek	Pollutants, Acid Dextra	EPA 625
230214-02	CW Grab	CW Grab		Water/Waste Water	9/7/2022 11:55	BrCl, Ship	Mercury	EPA 1631E
						HCl, ship	VOC	EPA 624
230214-03	SSWB	Spray Pond B		Water/Waste Water	9/5/2022 9:45	HNO3 (1), ship	Carbon	EPA 200.8
230214-04	FMU	FMU		Water/Waste Water	9/5/2022 10:08	HNO3 (1), ship	Carbon	EPA 200.8
						HNO3 (1), ship	Carbon	EPA 200.8
230214-05	Field Blank Hg	CW Grab		Water/Waste Water	9/7/2022 11:55	BrCl, Ship	Mercury	EPA 1631E
230214-06	Field Blank VOC	CW Grab		Water/Waste Water	9/7/2022 11:55	HCl, ship	VOC	EPA 624

Relinquished by:

[Signature]

Date/Time:

09/08/22 14:25

Received by:

JWI 9/9/22 12:54

Please send a separate report for each order number



Anatek Labs, Inc.

Sample Receipt and Preservation Form

MC10323



Due: 09/23/22

Client Name: Energy NW

TAT: Normal RUSH: _____ days

Samples Received From: FedEx UPS USPS Client Courier Other: _____

Custody Seal on Cooler/Box: Yes No Custody Seals Intact: Yes No N/A

Number of Coolers/Boxes: 1 Type of Ice: Wet Ice Ice Packs Dry Ice None

Packing Material: Bubble Wrap Bags Foam/Peanuts Paper None Other: _____

Cooler Temp As Read (°C): 4.3 Cooler Temp Corrected (°C): _____ Thermometer Used: IR-5

Comments:

Samples Received Intact? Yes No N/A

Chain of Custody Present? Yes No N/A

Samples Received Within Hold Time? Yes No N/A

Samples Properly Preserved? Yes No N/A

VOC Vials Free of Headspace (<6mm)? Yes No N/A

VOC Trip Blanks Present? Yes No N/A

Labels and Chains Agree? Yes No N/A

Total Number of Sample Bottles Received: 4

Chain of Custody Fully Completed? Yes No N/A

Correct Containers Received? Yes No N/A

Anatek Bottles Used? Yes No Unknown

Record preservatives (and lot numbers, if known) for containers below:

BrCl(2202614)-1631-g @0mL x 2 vials + FB (2 vials)

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

Received/Inspected By: JWE Date/Time: 9/9/22 12:54

SampleNumber	Matrix	Test	Method	CustomerName	CustomerContact	CustomerAddress	CustomerCityStateZip	Units	Qualifier	AnalysisTime	Analyst	Dilution	Param	CAS	Result	DetectionLimit	RDL	RepLimit	SampleType	ExtractDate	Location	CollectDate	CollectTime	ReceiveDate	CustomerSampleNumber	Orders_Comment	OrderProjectName	MCL
MC0323-01	Water	Hg 1631	EPA 1631 E	Energy Northwest	Environmental Services	350 Hills St Suite 107	Richland, WA 99354	ug/L		9/20/2022 3:40:02 PM	BSM	1	Mercury	7439-97-6	0.00388	0.000200	0.000200	0.000500		9/19/2022 10:11:00 AM	09/07/2022	11:55	9/9/2022 12:54:00 PM	230214-02 (CW Grab)				
MC0323-02	Water	Hg 1631	EPA 1631 E	Energy Northwest	Environmental Services	350 Hills St Suite 107	Richland, WA 99354	ug/L	U	9/20/2022 3:47:40 PM	BSM	1	Mercury	7439-97-6	<0.000200 [2]	0.000200	0.000200	0.000500		9/19/2022 10:11:00 AM	09/07/2022	11:55	9/9/2022 12:54:00 PM	230214-05 (Field Blank)				

Sample 230214-02 grab sample.
Excerpt from Anatek EDD file for mercury grab sample and field blank; EDD shows detection limit.

Report Prepared for:

Jane LePage
Energy Northwest Environmental Ser
76 N Power Plant Loop
Richland WA 99354

**REPORT OF
LABORATORY
ANALYSIS FOR
TCDD**

Report Prepared Date:

September 23, 2022

Report Information:

PaceProject#: 10624694
Sample Receipt Date: 09/08/2022
Client Project #: 230214, NPDES Priority
Client Sub PO #: N/A
State Cert #: C486

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 2,3,7,8-TCDD Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Carolynne Trout, your Pace Project Manager.

This report has been reviewed by:



September 27, 2022

Carolynne Trout, Project Manager
(612) 607-6351
(612) 607-6444 (fax)
Carolynne.Trout@pacelabs.com



Report of Laboratory Analysis

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

The results relate only to the samples included in this report.

DISCUSSION

This report presents the results from the analysis performed on one sample submitted by a representative of Energy Northwest. The sample was analyzed for the presence or absence of 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD) using USEPA Method 1613B. The estimated detection limits (EDLs) were based on signal-to-noise measurements.

The isotopically-labeled TCDD internal standard in the sample extract was recovered at 27%. Except for one low value, which was flagged "R" on the results table, the labeled standard recoveries obtained for this project were within the target ranges specified in Method 1613B. Also, since the quantification of the native TCDD was based on isotope dilution, the data were automatically corrected for recovery and accurate values were obtained.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to be free of 2,3,7,8-TCDD at the reporting limit.

Laboratory spike samples were also prepared using clean reference matrix that had been fortified with native standard material. The results show that the spiked native TCDD was recovered at 105-114% with a relative percent difference of 8.2%. These results were within the target ranges for the method. Matrix spikes were not prepared with the sample batch.

REPORT OF LABORATORY ANALYSIS

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



Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Mississippi	MN00064
Alabama	40770	Missouri	10100
Alaska-DW	MN00064	Montana	CERT0092
Alaska-UST	17-009	Nebraska	NE-OS-18-06
Arizona	AZ0014	Nevada	MN00064
Arkansas - WW	88-0680	New Hampshire	2081
Arkansas-DW	MN00064	New Jersey	MN002
California	2929	New York	11647
Colorado	MN00064	North Carolina-	27700
Connecticut	PH-0256	North Carolina-	530
Florida	E87605	North Dakota	R-036
Georgia	959	Ohio-DW	41244
Hawaii	MN00064	Ohio-VAP (170	CL101
Idaho	MN00064	Ohio-VAP (180	CL110
Illinois	200011	Oklahoma	9507
Indiana	C-MN-01	Oregon- rimary	MN300001
Iowa	368	Oregon-Second	MN200001
Kansas	E-10167	Pennsylvania	68-00563
Kentucky-DW	90062	Puerto Rico	MN00064
Kentucky-WW	90062	South Carolina	74003
Louisiana-DEQ	AI-84596	Tennessee	TN02818
Louisiana-DW	MN00064	Texas	T104704192
Maine	MN00064	Utah	MN00064
Maryland	322	Vermont	VT-027053137
Michigan	9909	Virginia	460163
Minnesota	027-053-137	Washington	C486
Minnesota-Ag	via MN 027-053	West Virginia-D	382
Minnesota-Petr	1240	West Virginia-D	9952C
		Wisconsin	999407970
		Wyoming-UST	via A2LA 2926.

REPORT OF LABORATORY ANALYSIS

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

Report No.....10624694



Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

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

Effective Date:

Sample Condition
Upon Receipt

Client Name:

Energy Northwest

Project #:

WO# : 10624694

PM: CT1

Due Date: 09/29/22

CLIENT: Energy NW

Courier: ☒ FedEx ☐ UPS ☐ USPS ☐ Client
☐ Pace ☐ Speedee ☐ CommercialTracking Number: 7778 7191 2091 ☐ See Exceptions ENV-FRM-MIN4-0142Custody Seal on Cooler/Box Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ NoBiological Tissue Frozen? ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ OtherTemp Blank? ☒ Yes ☐ NoThermometer: ☐ T1 (0461) ☒ T2 (1336) ☐ T3 (0459) ☐ T4 (0254) ☐ T5 (0178)
☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ 01339252/1710Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None
☐ MeltedDid Samples Originate in West Virginia? ☐ Yes ☒ NoWere All Container Temps Taken? ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6 °C

Cooler temp Read w/Temp Blank: 2.3 °C

Average Corrected Temp

(no temp blank only): _____ °C

Correction Factor: TRUE Cooler Temp Corrected w/temp blank: 2.3 °C☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 ContainerUSDA Regulated Soil: ☒ N/A water sample other: _____Date/Initials of Person Examining Contents: Jm 9/18/22Did samples originate in a quarantine zone within the United States: AL, AR, AZ CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check maps)? ☐ Yes ☐ NoDid samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

Location (Check one): ☐ Duluth ☒ Minneapolis ☐ Virginia	COMMENTS
Chain of Custody Present and Filled Out? ☒ Yes ☐ No	1.
Chain of Custody Relinquished? ☒ Yes ☐ No	2.
Sampler Name and/or Signature on COC? ☒ Yes ☐ No ☐ N/A	3.
Samples Arrived within Hold Time? ☒ Yes ☐ No	4. If fecal: ☐ <8 hrs ☐ >8 hr, <24 ☐ No
Short Hold Time Analysis (<72 hr)? ☐ Yes ☒ No	5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E.coli ☐ BOD/cBOD ☐ Hex Chrom ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other
Rush Turn Around Time Requested? ☐ Yes ☒ No	6.
Sufficient Sample Volume? ☒ Yes ☐ No	7.
Correct Containers Used? ☒ Yes ☐ No ☐ N/A	8.
-Pace Containers Used? ☒ Yes ☐ No	9.
Containers Intact? ☒ Yes ☐ No	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Field Filtered Volume Received for Dissolved Tests? ☐ Yes ☐ No ☒ N/A	11. If no, write ID/Date/Time of container below: ☐ See Exceptions ENV-FRM-MIN4-0142
Is sufficient information available to reconcile the samples to the COC? Matrix: ☒ Water ☐ Soil ☐ Oil ☐ Other	12. Sample # ☐ NaOH ☐ HNO3 ☐ H2SO4 ☐ Zinc Acetate
All containers needing acid/base preservation have been checked? ☐ Yes ☐ No ☒ N/A	Positive for Residual Chlorine? ☐ Yes ☐ No ☐ See Exceptions ENV-FRM-MIN4-0142
All containers needing preservation are found to be in compliance with EPA recommendation (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH >10 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxins/PFAS (*If adding preservative to a container, it must be added to associated field and equipment blanks--verify with PM first.)	pH Paper Lot # Residual Chlorine 0-6 Roll 0-6 Strip 0-14 Strip
Headspace in Methyl Mercury Container? ☐ Yes ☐ No ☒ N/A	13.
Extra labels present on soil VOA or WIDRO containers? ☐ Yes ☐ No ☒ N/A	14. ☐ See Exceptions ENV-FRM-MIN4-0142
Headspace in VOA Vials (greater than 6mm)? ☐ Yes ☐ No ☒ N/A	15.
3 Trip Blanks Present? ☐ Yes ☐ No ☒ N/A	Pace Trip Blank Lot # (if purchased): _____
Trip Blank Custody Seals Present? ☐ Yes ☐ No ☒ N/A	

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Carolynne Trout

Date: 9/12/22

NOTE: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By: KbLine: 2

Pollutant & CAS No. (if available)	Recommended Analytical Protocol	Detection (DL) ¹ µg/L unless specified	Quantitation Level (QL) ² µg/L unless specified
DIOXIN			
2,3,7,8-Tetra-Chlorodibenzo-P-Dioxin (176-40-16) (2,3,7,8 TCDD)	1613B	1.3 pg/L	5 pg/L

PRIORITY POLLUTANTS (continued)

Pollutant & CAS No. (if available)	Recommended Analytical Protocol	Detection (DL) ¹ µg/L unless specified	Quantitation Level (QL) ² µg/L unless specified
PESTICIDES/PCBs			
Aldrin (309-00-2)	608	0.025	0.05
alpha-BHC (319-84-6)	608	0.025	0.05
beta-BHC (319-85-7)	608	0.025	0.05
gamma-BHC (58-89-9)	608	0.025	0.05
delta-BHC (319-86-8)	608	0.025	0.05
Chlordane (57-74-9) ⁸	608	0.025	0.05
4,4'-DDT (50-29-3)	608	0.025	0.05
4,4'-DDE (72-55-9)	608	0.025	0.05 ¹⁰
4,4' DDD (72-54-8)	608	0.025	0.05
Dieldrin (60-57-1)	608	0.025	0.05
alpha-Endosulfan (959-98-8)	608	0.025	0.05
beta-Endosulfan (33213-65-9)	608	0.025	0.05
Endosulfan Sulfate (1031-07-8)	608	0.025	0.05
Endrin (72-20-8)	608	0.025	0.05
Endrin Aldehyde (7421-93-4)	608	0.025	0.05
Heptachlor (76-44-8)	608	0.025	0.05
Heptachlor Epoxide (1024-57-3)	608	0.025	0.05
PCB-1242 (53469-21-9) ⁹	608	0.25	0.5
PCB-1254 (11087-69-1)	608	0.25	0.5
PCB-1221 (11104-28-2)	608	0.25	0.5
PCB-1232 (11141-16-5)	608	0.25	0.5
PCB-1248 (12672-29-6)	608	0.25	0.5
PCB-1260 (11096-82-5)	608	0.13	0.5
PCB-1016 (12674-11-2) ⁹	608	0.13	0.5
Toxaphene (8001-35-2)	608	0.24	0.5

1. Detection level (DL) or detection limit means the minimum concentration of an analyte (substance) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero as determined by the procedure given in 40 CFR part 136, Appendix B.
2. Quantitation Level (QL) also known as Minimum Level of Quantitation (ML) – The lowest level at which the entire analytical system must give a recognizable signal and acceptable calibration point for the analyte. It is equivalent to the concentration of the lowest calibration standard, assuming that the lab has used all method-specified sample weights, volumes, and cleanup procedures. The QL is calculated



Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- I = Isotope ratio out of specification
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs
- * = See Discussion

REPORT OF LABORATORY ANALYSIS

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



Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

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



Method 1613B Sample Analysis Results

Client - Energy Northwest Environmental Services Lab

Client's Sample ID	230214.01		
Lab Sample ID	10624694001		
Filename	L220921A_07		
Injected By	MS4		
Total Amount Extracted	984 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/06/2022 08:30
ICAL ID	L220811	Received	09/08/2022 13:30
CCal Filename(s)	L220920A_18	Extracted	09/13/2022 12:56
Method Blank ID	BLANK-101187	Analyzed	09/21/2022 05:39

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	----	1.2	2,3,7,8-TCDD-13C	2.00	27 R
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	73

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

R = Recovery outside target range
E = Exceeds calibration range

REPORT OF LABORATORY ANALYSIS

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



Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKGN	Matrix	Water
Lab Sample ID	BLANK-101187	Dilution	NA
Filename	F220919A_09	Extracted	09/13/2022 12:56
Total Amount Extracted	992 mL	Analyzed	09/19/2022 16:28
ICAL ID	F220529	Injected By	MS4
CCal Filename(s)	F220919A_02		

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	----	0.90	2,3,7,8-TCDD-13C	2.00	45
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	76

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

EDL = Estimated Detection Limit

J = Estimated value

I = Isotope ratio out of specification

REPORT OF LABORATORY ANALYSIS

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



Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-101178	Matrix	Water
Filename	F220919A_04	Dilution	NA
Total Amount Extracted	998 mL	Extracted	09/13/2022 12:56
ICAL ID	F220529	Analyzed	09/19/2022 12:40
CCal Filename	F220919A_02	Injected By	MS4
Method Blank ID	BLANK-101187		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDD	10	11	7.3	14.6	105
2,3,7,8-TCDD-37Cl4	10	7.3	3.7	15.8	73
2,3,7,8-TCDD-13C	100	25	25.0	141.0	25

Cs = Concentration Spiked (ng/mL)

Cr = Concentration Recovered (ng/mL)

Rec. = Recovery (Expressed as Percent)

Control Limit Reference: Method 1613, Table 6, 10/94 Revision

R = Recovery outside of control limits

Nn = Value obtained from additional analysis

* = See Discussion

REPORT OF LABORATORY ANALYSIS

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



Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCSD-101179	Matrix	Water
Filename	F220919A_05	Dilution	NA
Total Amount Extracted	999 mL	Extracted	09/13/2022 12:56
ICAL ID	F220529	Analyzed	09/19/2022 13:26
CCal Filename	F220919A_02	Injected By	MS4
Method Blank ID	BLANK-101187		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDD	10	11	7.3	14.6	114
2,3,7,8-TCDD-37Cl4	10	8.5	3.7	15.8	85
2,3,7,8-TCDD-13C	100	53	25.0	141.0	53

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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



Method 1613B

Spike Recovery Relative Percent Difference (RPD) Results

Client Energy Northwest Environmental Services Lab

Spike 1 ID LCS-101178
Spike 1 Filename F220919A_04

Spike 2 ID LCSD-101179
Spike 2 Filename F220919A_05

Compound	Spike 1 %REC	Spike 2 %REC	%RPD
2,3,7,8-TCDD	105	114	8.2

%REC = Percent Recovered

RPD = The difference between the two values divided by the mean value

REPORT OF LABORATORY ANALYSIS

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

The State of
Department



Washington
of Ecology

Edge Analytical, Incorporated
Burlington, WA

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation.

This certificate is effective January 19, 2022 and shall expire January 18, 2023.

Witnessed under my hand on January 28, 2022.

Rebecca Wood
Lab Accreditation Unit Supervisor

Laboratory ID
C567

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Edge Analytical, Incorporated

Burlington, WA

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/Analyte	Method	Notes
Air		
Benzene	EPA 325B	1
Drinking Water		
pH	EPA 150.1_1982	1
Turbidity	EPA 180.1_2_1993	1
Chromium, Hexavalent	EPA 218.6_3.3_1994	1
Chloride	EPA 300.0_2.1_1993	1
Fluoride	EPA 300.0_2.1_1993	1
Nitrate	EPA 300.0_2.1_1993	1
Nitrate + Nitrite	EPA 300.0_2.1_1993	1
Nitrite	EPA 300.0_2.1_1993	1
Orthophosphate	EPA 300.0_2.1_1993	
Sulfate	EPA 300.0_2.1_1993	1
Bromate	EPA 300.1_1_1997	1
Bromide	EPA 300.1_1_1997	1
Chlorate	EPA 300.1_1_1997	1
Chlorite	EPA 300.1_1_1997	1
Cyanide, Available	OIA 1677	
Color	SM 2120 B-2011	1,88
Alkalinity	SM 2320 B-2011	1
Hardness (calc.)	SM 2340 B-2011	1,88
Specific Conductance	SM 2510 B-2011	1
Solids, Total Dissolved	SM 2540 C-2011	1
Chlorine (Residual), Free	SM 4500-Cl G-2011	1,5
Chlorine Dioxide	SM 4500-ClO ₂ D-93	5
pH	SM 4500-H ⁺ B-2011	1,88
Nitrate	SM 4500-NO ₃ ⁻ F-2011	1

Washington State Department of Ecology

Laboratory Accreditation Unit

Effective Date: 1/19/2022

Page 1 of 31

Scope of Accreditation Report for Edge Analytical, Incorporated

Scope Expires: 1/18/2023

C567-22

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Drinking Water		
Nitrate + Nitrite	SM 4500-NO3 ⁻ F-2011	1
Nitrite	SM 4500-NO3 ⁻ F-2011	1
Orthophosphate	SM 4500-P F-2011	1
Dissolved Organic Carbon	SM 5310 B-2011	1
Total Organic Carbon	SM 5310 B-2011	1
UV Absorbing Organics	SM 5910 B-00	1
Aluminum	EPA 200.7_4.4_1994	1
Barium	EPA 200.7_4.4_1994	1
Beryllium	EPA 200.7_4.4_1994	1
Cadmium	EPA 200.7_4.4_1994	1
Calcium	EPA 200.7_4.4_1994	1
Chromium	EPA 200.7_4.4_1994	1
Copper	EPA 200.7_4.4_1994	1
Hardness, Total (as CaCO3)	EPA 200.7_4.4_1994	
Iron	EPA 200.7_4.4_1994	1
Magnesium	EPA 200.7_4.4_1994	1
Manganese	EPA 200.7_4.4_1994	1
Nickel	EPA 200.7_4.4_1994	1
Silica	EPA 200.7_4.4_1994	
Silver	EPA 200.7_4.4_1994	1
Sodium	EPA 200.7_4.4_1994	1
Zinc	EPA 200.7_4.4_1994	1
Aluminum	EPA 200.8_5.4_1994	
Antimony	EPA 200.8_5.4_1994	1
Arsenic	EPA 200.8_5.4_1994	1
Barium	EPA 200.8_5.4_1994	1
Beryllium	EPA 200.8_5.4_1994	1
Cadmium	EPA 200.8_5.4_1994	1
Chromium	EPA 200.8_5.4_1994	1
Copper	EPA 200.8_5.4_1994	1
Lead	EPA 200.8_5.4_1994	1
Manganese	EPA 200.8_5.4_1994	1
Mercury	EPA 200.8_5.4_1994	1
Nickel	EPA 200.8_5.4_1994	1
Selenium	EPA 200.8_5.4_1994	1
Silver	EPA 200.8_5.4_1994	1
Thallium	EPA 200.8_5.4_1994	1

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Drinking Water		
Total Uranium	EPA 200.8_5.4_1994	1
Zinc	EPA 200.8_5.4_1994	1
Mercury	EPA 245.1_3_1994	1
1,2,3-Trichloropropane	EPA 504.1_1.1_1995	1
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1_1.1_1995	1,2
Dibromochloropropane	EPA 504.1_1.1_1995	1,2
4,4'-DDD	EPA 508.1_2_1995	1
4,4'-DDE	EPA 508.1_2_1995	1
4,4'-DDT	EPA 508.1_2_1995	1
Aldrin	EPA 508.1_2_1995	1
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 508.1_2_1995	1
Aroclor-1016 (PCB-1016)	EPA 508.1_2_1995	1
Aroclor-1221 (PCB-1221)	EPA 508.1_2_1995	1
Aroclor-1232 (PCB-1232)	EPA 508.1_2_1995	1
Aroclor-1242 (PCB-1242)	EPA 508.1_2_1995	1
Aroclor-1248 (PCB-1248)	EPA 508.1_2_1995	1
Aroclor-1254 (PCB-1254)	EPA 508.1_2_1995	1
Aroclor-1260 (PCB-1260)	EPA 508.1_2_1995	1
beta-BHC (beta-Hexachlorocyclohexane)	EPA 508.1_2_1995	1
Chlordane (tech.)	EPA 508.1_2_1995	1,2
delta-BHC	EPA 508.1_2_1995	1
Dieldrin	EPA 508.1_2_1995	1
Endosulfan I	EPA 508.1_2_1995	1
Endosulfan II	EPA 508.1_2_1995	1
Endosulfan sulfate	EPA 508.1_2_1995	1
Endrin	EPA 508.1_2_1995	1
Endrin aldehyde	EPA 508.1_2_1995	1
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 508.1_2_1995	1
Heptachlor	EPA 508.1_2_1995	1
Heptachlor epoxide	EPA 508.1_2_1995	1
Methoxychlor	EPA 508.1_2_1995	1
PCBs	EPA 508.1_2_1995	1,2
Toxaphene (Chlorinated camphene)	EPA 508.1_2_1995	1,2
2,4,5-T	EPA 515.4_1_2000	1,2
2,4-D	EPA 515.4_1_2000	1,2
2,4-DB	EPA 515.4_1_2000	1
3,5-Dichlorobenzoic acid	EPA 515.4_1_2000	1

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Drinking Water		
Acifluorfen	EPA 515.4_1_2000	1
Bentazon	EPA 515.4_1_2000	1
Dacthal (DCPA)	EPA 515.4_1_2000	1,2
Dalapon	EPA 515.4_1_2000	1,2
Dicamba	EPA 515.4_1_2000	1
Dichloroprop (Dichlorprop)	EPA 515.4_1_2000	1
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 515.4_1_2000	1,2
Pentachlorophenol	EPA 515.4_1_2000	1,2
Picloram	EPA 515.4_1_2000	1,2
Silvex (2,4,5-TP)	EPA 515.4_1_2000	1,2
3-Hydroxycarbofuran	EPA 531.2_1_2001	1
Aldicarb (Temik)	EPA 531.2_1_2001	1
Aldicarb sulfone	EPA 531.2_1_2001	1
Aldicarb sulfoxide	EPA 531.2_1_2001	1
Carbaryl (Sevin)	EPA 531.2_1_2001	1
Carbofuran (Furaden)	EPA 531.2_1_2001	1
Methiocarb (Mesurol)	EPA 531.2_1_2001	1
Methomyl (Lannate)	EPA 531.2_1_2001	1
Oxamyl	EPA 531.2_1_2001	1
Propoxur (Baygon)	EPA 531.2_1_2001	1
Glyphosate	EPA 547_1990	1,2
Diquat	EPA 549.2_1_1997	1,2
Paraquat	EPA 549.2_1_1997	1
Bromoacetic acid (MBAA, BAA)	EPA 552.3 Rev 1 (2003)	1,2
Bromochloroacetic acid (BCAA)	EPA 552.3 Rev 1 (2003)	1
Chloroacetic acid (MCAA, CAA)	EPA 552.3 Rev 1 (2003)	1,2
Dibromoacetic acid (DBAA)	EPA 552.3 Rev 1 (2003)	1,2
Dichloroacetic acid (DCAA)	EPA 552.3 Rev 1 (2003)	1,2
Trichloroacetic acid (TCAA)	EPA 552.3 Rev 1 (2003)	1,2
1,1,1,2-Tetrachloroethane	EPA 524.2_4.1_1995	1
1,1,1-Trichloroethane	EPA 524.2_4.1_1995	1,2
1,1,2,2-Tetrachloroethane	EPA 524.2_4.1_1995	1
1,1,2-Trichloroethane	EPA 524.2_4.1_1995	1,2
1,1-Dichloroethane	EPA 524.2_4.1_1995	1
1,1-Dichloroethylene	EPA 524.2_4.1_1995	1,2
1,1-Dichloropropene	EPA 524.2_4.1_1995	1
1,2,3-Trichlorobenzene	EPA 524.2_4.1_1995	1

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Drinking Water		
1,2,4-Trichlorobenzene	EPA 524.2_4.1_1995	1,2
1,2,4-Trimethylbenzene	EPA 524.2_4.1_1995	1
1,2-Dichlorobenzene	EPA 524.2_4.1_1995	1,2
1,2-Dichloroethane (Ethylene dichloride)	EPA 524.2_4.1_1995	1,2
1,2-Dichloropropane	EPA 524.2_4.1_1995	1,2
1,3,5-Trimethylbenzene	EPA 524.2_4.1_1995	1
1,3-Dichlorobenzene	EPA 524.2_4.1_1995	1
1,3-Dichloropropane	EPA 524.2_4.1_1995	1
1,4-Dichlorobenzene	EPA 524.2_4.1_1995	1,2
2,2-Dichloropropane	EPA 524.2_4.1_1995	1
2-Chlorotoluene	EPA 524.2_4.1_1995	1
4-Chlorotoluene	EPA 524.2_4.1_1995	1
4-Isopropyltoluene (p-Cymene)	EPA 524.2_4.1_1995	1
Benzene	EPA 524.2_4.1_1995	1,2
Bromobenzene	EPA 524.2_4.1_1995	1
Bromochloromethane	EPA 524.2_4.1_1995	1
Bromodichloromethane	EPA 524.2_4.1_1995	1,2
Bromoform	EPA 524.2_4.1_1995	1,2
Carbon tetrachloride	EPA 524.2_4.1_1995	1,2
Chlorobenzene	EPA 524.2_4.1_1995	1,2
Chlorodibromomethane	EPA 524.2_4.1_1995	1,2
Chloroethane (Ethyl chloride)	EPA 524.2_4.1_1995	1
Chloroform	EPA 524.2_4.1_1995	1,2
cis-1,2-Dichloroethylene	EPA 524.2_4.1_1995	1,2
cis-1,3-Dichloropropene	EPA 524.2_4.1_1995	1
Dibromomethane	EPA 524.2_4.1_1995	1
Dichlorodifluoromethane (Freon-12)	EPA 524.2_4.1_1995	1
Dichloromethane (DCM, Methylene chloride)	EPA 524.2_4.1_1995	1,2
Ethylbenzene	EPA 524.2_4.1_1995	1,2
Hexachlorobutadiene	EPA 524.2_4.1_1995	1
Isopropylbenzene	EPA 524.2_4.1_1995	1
m+p-xylene	EPA 524.2_4.1_1995	1
Methyl bromide (Bromomethane)	EPA 524.2_4.1_1995	1
Methyl chloride (Chloromethane)	EPA 524.2_4.1_1995	1
Naphthalene	EPA 524.2_4.1_1995	1
n-Butylbenzene	EPA 524.2_4.1_1995	1
n-Propylbenzene	EPA 524.2_4.1_1995	1

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Drinking Water		
o-Xylene	EPA 524.2_4.1_1995	1
sec-Butylbenzene	EPA 524.2_4.1_1995	1
Styrene	EPA 524.2_4.1_1995	1,2
tert-Butylbenzene	EPA 524.2_4.1_1995	1
Tetrachloroethylene (Perchloroethylene)	EPA 524.2_4.1_1995	1,2
Toluene	EPA 524.2_4.1_1995	1,2
Total Trihalomethanes	EPA 524.2_4.1_1995	1,2
trans-1,2-Dichloroethylene	EPA 524.2_4.1_1995	1,2
Trichloroethene (Trichloroethylene)	EPA 524.2_4.1_1995	1,2
Trichlorofluoromethane (Freon 11)	EPA 524.2_4.1_1995	1
Vinyl chloride	EPA 524.2_4.1_1995	1,2
Xylene (total)	EPA 524.2_4.1_1995	1,2
4,4'-DDD	EPA 525.2_2_1995	1
4,4'-DDE	EPA 525.2_2_1995	1
4,4'-DDT	EPA 525.2_2_1995	1
Acenaphthylene	EPA 525.2_2_1995	1
Alachlor	EPA 525.2_2_1995	1
Aldrin	EPA 525.2_2_1995	1
Ametryn	EPA 525.2_2_1995	1
Anthracene	EPA 525.2_2_1995	1
Atrazine	EPA 525.2_2_1995	1,2
Benzo(a)anthracene	EPA 525.2_2_1995	1
Benzo(a)pyrene	EPA 525.2_2_1995	1,2
Benzo(g,h,i)perylene	EPA 525.2_2_1995	1
Benzo(k)fluoranthene	EPA 525.2_2_1995	1
Benzo[b]fluoranthene	EPA 525.2_2_1995	1
bis(2-Ethylhexyl) phthalate (DEHP)	EPA 525.2_2_1995	1
Bromacil	EPA 525.2_2_1995	1
Butachlor	EPA 525.2_2_1995	1
Butyl benzyl phthalate	EPA 525.2_2_1995	
Butylate	EPA 525.2_2_1995	1
Chlorobenzilate	EPA 525.2_2_1995	1
Chloroneb	EPA 525.2_2_1995	1
Chloroprotham	EPA 525.2_2_1995	1
Chlorothalonil	EPA 525.2_2_1995	1
Chlorpyrifos	EPA 525.2_2_1995	1
Chrysene	EPA 525.2_2_1995	1

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Drinking Water		
cis-Permethrin	EPA 525.2_2_1995	1
Cyanazine	EPA 525.2_2_1995	1
Cycloate	EPA 525.2_2_1995	1
Dacthal (DCPA)	EPA 525.2_2_1995	1
Di(2-ethylhexyl)adipate	EPA 525.2_2_1995	1,2
Di(2-ethylhexyl)phthalate	EPA 525.2_2_1995	1,2
Dibenz(a,h) anthracene	EPA 525.2_2_1995	1
Dieldrin	EPA 525.2_2_1995	1
Diethyl phthalate	EPA 525.2_2_1995	1
Dimethyl phthalate	EPA 525.2_2_1995	1
Di-n-butyl phthalate	EPA 525.2_2_1995	1
Diphenamid	EPA 525.2_2_1995	1
Endosulfan I	EPA 525.2_2_1995	1
Endosulfan II	EPA 525.2_2_1995	1
Endosulfan sulfate	EPA 525.2_2_1995	1
Endrin	EPA 525.2_2_1995	1,2
Endrin aldehyde	EPA 525.2_2_1995	1
EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	EPA 525.2_2_1995	1
Ethoprop	EPA 525.2_2_1995	1
Etridiazole	EPA 525.2_2_1995	1
Fenarimol	EPA 525.2_2_1995	1
Fluoranthene	EPA 525.2_2_1995	
Fluorene	EPA 525.2_2_1995	1
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 525.2_2_1995	1,2
Heptachlor	EPA 525.2_2_1995	1,2
Heptachlor epoxide	EPA 525.2_2_1995	1,2
Hexachlorobenzene	EPA 525.2_2_1995	1,2
Hexachlorocyclopentadiene	EPA 525.2_2_1995	1,2
Hexazinone	EPA 525.2_2_1995	1
Indeno(1,2,3-cd) pyrene	EPA 525.2_2_1995	1
Methoxychlor	EPA 525.2_2_1995	1,2
Metolachlor	EPA 525.2_2_1995	1
Metribuzin	EPA 525.2_2_1995	1
Mevinphos	EPA 525.2_2_1995	1
MGK-264	EPA 525.2_2_1995	1
Molinate	EPA 525.2_2_1995	1
Napropamide	EPA 525.2_2_1995	1

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Drinking Water		
Norflurazon	EPA 525.2_2_1995	1
Pebulate	EPA 525.2_2_1995	1
Phenanthrene	EPA 525.2_2_1995	1
Prometryn	EPA 525.2_2_1995	1
Pronamide (Kerb)	EPA 525.2_2_1995	1
Propachlor (Ramrod)	EPA 525.2_2_1995	1
Propazine	EPA 525.2_2_1995	1
Pyrene	EPA 525.2_2_1995	1
Simazine	EPA 525.2_2_1995	1,2
Simetryn	EPA 525.2_2_1995	1
Terbacil	EPA 525.2_2_1995	1
Terbutryn	EPA 525.2_2_1995	1
trans Permethrin	EPA 525.2_2_1995	1
Triademefon	EPA 525.2_2_1995	1
Trifluralin (Treflan)	EPA 525.2_2_1995	1
Vernolate	EPA 525.2_2_1995	1
Endothall	EPA 548.1_1_1992	1,2
Total coli/E.coli - detect	SM 9223 B Colilert 18® (PA)	
Non-Potable Water		
Cyanide, Total	ASTM D7511-12	3
n-Hexane Extractable Material (O&G)	EPA 1664A_1_1999	
Turbidity	EPA 180.1_2_1993	
Chromium, Hexavalent	EPA 218.6_3.3_1994	
Chloride	EPA 300.0_2.1_1993	
Fluoride	EPA 300.0_2.1_1993	
Nitrate	EPA 300.0_2.1_1993	
Nitrate + Nitrite	EPA 300.0_2.1_1993	
Nitrite	EPA 300.0_2.1_1993	
Orthophosphate	EPA 300.0_2.1_1993	
Sulfate	EPA 300.0_2.1_1993	
Bromate	EPA 300.1_1_1997	
Bromide	EPA 300.1_1_1997	
Chlorate	EPA 300.1_1_1997	
Alkalinity	EPA 310.2_1974	
Ammonia	EPA 350.1_2_1993	
Nitrogen, Total Kjeldahl	EPA 351.2_2_1993	
Dissolved Oxygen	Hach 10360 rev 1.2	

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Non-Potable Water		
Cyanide, Available	OIA 1677	
Color	SM 2120 B-2011	
Acidity	SM 2310 B-2011	
Alkalinity	SM 2320 B-2011	
Hardness (calc.)	SM 2340 B-2011	
Specific Conductance	SM 2510 B-2011	
Salinity	SM 2520 B-2011	
Solids, Total	SM 2540 B-2011	
Solids, Total Dissolved	SM 2540 C-2011	
Solids, Total Volatile	SM 2540 E-2011	9
Solids, Settleable	SM 2540 F-2011	
Chlorine (Residual), Free	SM 4500-Cl G-2011	5
Chlorine (Residual), Total	SM 4500-Cl G-2011	5
Chlorine Dioxide	SM 4500-ClO ₂ D-93	5
Cyanide, Weak Acid Dissociable	SM 4500-CN ⁻ I-97	
pH	SM 4500-H ⁺ B-2011	
Nitrate	SM 4500-NO ₃ ⁻ F-2011	
Nitrate + Nitrite	SM 4500-NO ₃ ⁻ F-2011	
Nitrite	SM 4500-NO ₃ ⁻ F-2011	
Orthophosphate	SM 4500-P F-2011	
Phosphorus, Total	SM 4500-P F-2011	
Sulfide	SM 4500-S ₂ ⁻ F-2011	
Sulfite	SM 4500-SO ₃ ⁻ B-2011	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2011	
Chemical Oxygen Demand (COD)	SM 5220 D-2011	
Total Organic Carbon	SM 5310 B-2011	
Solids, Total Suspended	USGS I-3765-85	
Aluminum	EPA 200.7_4.4_1994	
Antimony	EPA 200.7_4.4_1994	
Arsenic	EPA 200.7_4.4_1994	
Barium	EPA 200.7_4.4_1994	
Beryllium	EPA 200.7_4.4_1994	
Boron	EPA 200.7_4.4_1994	
Cadmium	EPA 200.7_4.4_1994	
Calcium	EPA 200.7_4.4_1994	
Chromium	EPA 200.7_4.4_1994	
Cobalt	EPA 200.7_4.4_1994	

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Non-Potable Water		
Copper	EPA 200.7_4.4_1994	3
Hardness, Total (as CaCO3)	EPA 200.7_4.4_1994	
Iron	EPA 200.7_4.4_1994	
Lead	EPA 200.7_4.4_1994	9
Magnesium	EPA 200.7_4.4_1994	
Manganese	EPA 200.7_4.4_1994	
Molybdenum	EPA 200.7_4.4_1994	
Nickel	EPA 200.7_4.4_1994	
Phosphorus	EPA 200.7_4.4_1994	
Potassium	EPA 200.7_4.4_1994	
Selenium	EPA 200.7_4.4_1994	
Silica	EPA 200.7_4.4_1994	
Silver	EPA 200.7_4.4_1994	
Sodium	EPA 200.7_4.4_1994	
Strontium	EPA 200.7_4.4_1994	
Thallium	EPA 200.7_4.4_1994	
Tin	EPA 200.7_4.4_1994	
Titanium	EPA 200.7_4.4_1994	
Zinc	EPA 200.7_4.4_1994	
Aluminum	EPA 200.8_5.4_1994	
Antimony	EPA 200.8_5.4_1994	
Arsenic	EPA 200.8_5.4_1994	
Barium	EPA 200.8_5.4_1994	
Beryllium	EPA 200.8_5.4_1994	
Cadmium	EPA 200.8_5.4_1994	
Chromium	EPA 200.8_5.4_1994	
Cobalt	EPA 200.8_5.4_1994	
Copper	EPA 200.8_5.4_1994	
Lead	EPA 200.8_5.4_1994	
Manganese	EPA 200.8_5.4_1994	
Molybdenum	EPA 200.8_5.4_1994	
Nickel	EPA 200.8_5.4_1994	
Selenium	EPA 200.8_5.4_1994	
Silver	EPA 200.8_5.4_1994	
Strontium	EPA 200.8_5.4_1994	
Thallium	EPA 200.8_5.4_1994	
Thorium	EPA 200.8_5.4_1994	

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Non-Potable Water		
Tin	EPA 200.8_5.4_1994	
Titanium	EPA 200.8_5.4_1994	
Total Uranium	EPA 200.8_5.4_1994	
Vanadium	EPA 200.8_5.4_1994	
Zinc	EPA 200.8_5.4_1994	
Mercury	EPA 245.1_3_1994	
4,4'-DDD	EPA 608.3	14
4,4'-DDE	EPA 608.3	14
4,4'-DDT	EPA 608.3	14
Alachlor	EPA 608.3	14
Aldrin	EPA 608.3	14
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608.3	14
alpha-Chlordane	EPA 608.3	14
Aroclor-1016 (PCB-1016)	EPA 608.3	14
Aroclor-1221 (PCB-1221)	EPA 608.3	14
Aroclor-1232 (PCB-1232)	EPA 608.3	14
Aroclor-1242 (PCB-1242)	EPA 608.3	14
Aroclor-1248 (PCB-1248)	EPA 608.3	14
Aroclor-1254 (PCB-1254)	EPA 608.3	14
Aroclor-1260 (PCB-1260)	EPA 608.3	14
Atrazine	EPA 608.3	14
beta-BHC (beta-Hexachlorocyclohexane)	EPA 608.3	14
Chlordane (tech.)	EPA 608.3	14
delta-BHC	EPA 608.3	14
Dieldrin	EPA 608.3	14
Endosulfan I	EPA 608.3	14
Endosulfan II	EPA 608.3	14
Endosulfan sulfate	EPA 608.3	14
Endrin	EPA 608.3	14
Endrin aldehyde	EPA 608.3	14
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608.3	14
gamma-Chlordane	EPA 608.3	14
Heptachlor	EPA 608.3	14
Heptachlor epoxide	EPA 608.3	14
Methoxychlor	EPA 608.3	14
Metribuzin	EPA 608.3	14
Propachlor (Ramrod)	EPA 608.3	14

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Non-Potable Water		
Simazine	EPA 608.3	14
Toxaphene (Chlorinated camphene)	EPA 608.3	14
Trifluralin (Treflan)	EPA 608.3	14
2,4,5-T	EPA 615	
2,4-D	EPA 615	
2,4-DB	EPA 615	
Dalapon	EPA 615	
Dicamba	EPA 615	
Dichloroprop (Dichlorprop)	EPA 615	
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 615	
MCPA	EPA 615	3,8
MCPP	EPA 615	3,8
Silvex (2,4,5-TP)	EPA 615	
Trichlopyr	EPA 615	
Diesel range organics (DRO)	WDOE NWTPH-Dx_(1997)	4,17,18
Gasoline range organics (GRO)	WDOE NWTPH-Gx_(1997)	4,17,19
1,1,1,2-Tetrachloroethane	EPA 624.1	13
1,1,1-Trichloroethane	EPA 624.1	13
1,1,2,2-Tetrachloroethane	EPA 624.1	13
1,1,2-Trichloroethane	EPA 624.1	13
1,1-Dichloroethane	EPA 624.1	13
1,1-Dichloroethylene	EPA 624.1	13
1,2,3-Trichlorobenzene	EPA 624.1	13
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 624.1	13
1,2-Dichlorobenzene	EPA 624.1	13
1,2-Dichloroethane (Ethylene dichloride)	EPA 624.1	13
1,2-Dichloropropane	EPA 624.1	13
1,3-Dichlorobenzene	EPA 624.1	13
1,4-Dichlorobenzene	EPA 624.1	13
2-Butanone (Methyl ethyl ketone, MEK)	EPA 624.1	13
2-Chloroethyl vinyl ether	EPA 624.1	13
2-Picoline (2-Methylpyridine)	EPA 624.1	13
4-Isopropyltoluene (p-Cymene)	EPA 624.1	13
Acetone	EPA 624.1	13
Acrolein (Propenal)	EPA 624.1	13
Acrylonitrile	EPA 624.1	13
Benzene	EPA 624.1	13

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Non-Potable Water		
Bromodichloromethane	EPA 624.1	13
Bromoform	EPA 624.1	13
Carbon tetrachloride	EPA 624.1	13
Chlorobenzene	EPA 624.1	13
Chlorodibromomethane	EPA 624.1	13
Chloroethane (Ethyl chloride)	EPA 624.1	13
Chloroform	EPA 624.1	13
cis-1,3-Dichloropropene	EPA 624.1	13
Dibromochloropropane	EPA 624.1	13
Dichloromethane (DCM, Methylene chloride)	EPA 624.1	13
Diethyl ether	EPA 624.1	13
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	EPA 624.1	13
Ethylbenzene	EPA 624.1	13
Methyl bromide (Bromomethane)	EPA 624.1	13
Methyl chloride (Chloromethane)	EPA 624.1	13
Methyl tert-butyl ether (MTBE)	EPA 624.1	13
Methylene chloride (Dichloromethane)	EPA 624.1	13
p-Dioxane	EPA 624.1	13
Styrene	EPA 624.1	13
Tetrachloroethylene (Perchloroethylene)	EPA 624.1	13
Toluene	EPA 624.1	13
trans-1,2-Dichloroethylene	EPA 624.1	13
trans-1,3-Dichloropropylene	EPA 624.1	13
Trichloroethene (Trichloroethylene)	EPA 624.1	13
Trichlorofluoromethane (Freon 11)	EPA 624.1	13
Vinyl chloride	EPA 624.1	13
1,2,4-Trichlorobenzene	EPA 625.1	15
1,2-Diphenylhydrazine	EPA 625.1	15
2,3,6-Trichlorophenol (4C)	EPA 625.1	15
2,4,5-Trichlorophenol	EPA 625.1	15
2,4,6-Trichlorophenol	EPA 625.1	15
2,4-Dichlorophenol	EPA 625.1	15
2,4-Dimethylphenol	EPA 625.1	15
2,4-Dinitrophenol	EPA 625.1	15
2,4-Dinitrotoluene (2,4-DNT)	EPA 625.1	15
2,6-Dinitrotoluene (2,6-DNT)	EPA 625.1	15
2-Chloronaphthalene	EPA 625.1	15

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Non-Potable Water		
2-Chlorophenol	EPA 625.1	15
2-Methylnaphthalene	EPA 625.1	15
2-Nitrophenol	EPA 625.1	15
3,3'-Dichlorobenzidine	EPA 625.1	15
3-Methylcholanthrene	EPA 625.1	15
4,4'-DDD	EPA 625.1	15
4,4'-DDE	EPA 625.1	15
4,4'-DDT	EPA 625.1	15
4,6-Dinitro-2-methylphenol	EPA 625.1	15
4-Bromophenyl phenyl ether (BDE-3)	EPA 625.1	15
4-Chloro-3-methylphenol	EPA 625.1	15
4-Chlorophenol	EPA 625.1	15
4-Chlorophenyl phenylether	EPA 625.1	15
4-Nitrophenol	EPA 625.1	15
Acenaphthene	EPA 625.1	15
Acenaphthylene	EPA 625.1	15
Aldrin	EPA 625.1	15
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 625.1	15
alpha-Terpineol	EPA 625.1	15
Anthracene	EPA 625.1	15
Benzidine	EPA 625.1	15
Benzo(a)anthracene	EPA 625.1	15
Benzo(a)pyrene	EPA 625.1	15
Benzo(g,h,i)perylene	EPA 625.1	15
Benzo(j)fluoranthene	EPA 625.1	15
Benzo(k)fluoranthene	EPA 625.1	15
Benzo(r,s,t)pentaphene	EPA 625.1	15
Benzo[b]fluoranthene	EPA 625.1	15
Benzoic acid	EPA 625.1	15
beta-BHC (beta-Hexachlorocyclohexane)	EPA 625.1	15
bis(2-Chloroethoxy)methane	EPA 625.1	15
bis(2-Chloroethyl) ether	EPA 625.1	15
bis(2-Chloroisopropyl) ether	EPA 625.1	15
bis(2-Ethylhexyl) phthalate (DEHP)	EPA 625.1	15
Butyl benzyl phthalate	EPA 625.1	15
Carbazole	EPA 625.1	15
Chrysene	EPA 625.1	15

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Non-Potable Water		
delta-BHC	EPA 625.1	15
Di(2-ethylhexyl)adipate	EPA 625.1	15
Dibenz(a,h) acridine	EPA 625.1	15
Dibenz(a,h) anthracene	EPA 625.1	15
Dibenz(a,j) acridine	EPA 625.1	15
Dibenzo(a,e) pyrene	EPA 625.1	15
Dibenzo(a,h) pyrene	EPA 625.1	15
Dibenzofuran	EPA 625.1	15
Dieldrin	EPA 625.1	15
Diethyl phthalate	EPA 625.1	15
Dimethyl phthalate	EPA 625.1	15
Di-n-butyl phthalate	EPA 625.1	15
Di-n-octyl phthalate	EPA 625.1	15
Endosulfan I	EPA 625.1	15
Endosulfan II	EPA 625.1	15
Endosulfan sulfate	EPA 625.1	15
Endrin	EPA 625.1	15
Fluoranthene	EPA 625.1	15
Fluorene	EPA 625.1	15
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 625.1	15
Heptachlor	EPA 625.1	15
Heptachlor epoxide	EPA 625.1	15
Hexachlorobenzene	EPA 625.1	15
Hexachlorobutadiene	EPA 625.1	15
Hexachlorocyclopentadiene	EPA 625.1	15
Hexachloroethane	EPA 625.1	15
Indeno(1,2,3-cd) pyrene	EPA 625.1	15
Isophorone	EPA 625.1	15
Methoxychlor	EPA 625.1	15
Naphthalene	EPA 625.1	15
n-Docosane	EPA 625.1	15
n-Dodecane	EPA 625.1	15
n-Eicosane	EPA 625.1	15
n-Hexadecane	EPA 625.1	15
Nitrobenzene	EPA 625.1	15
n-Nitrosodimethylamine	EPA 625.1	15
N-Nitroso-di-n-propylamine	EPA 625.1	15

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Non-Potable Water		
n-Nitrosodiphenylamine	EPA 625.1	15
n-Octadecane	EPA 625.1	15
n-Tetradecane	EPA 625.1	15
Pentachloroethane	EPA 625.1	15
Pentachlorophenol	EPA 625.1	15
Perylene	EPA 625.1	15
Phenanthrene	EPA 625.1	15
Phenol	EPA 625.1	15
Pyrene	EPA 625.1	15
Pyridine	EPA 625.1	15
Ignitability	ASTM D93-02	
Solid and Chemical Materials		
Ammonia	EPA 350.1_2_1993	
Nitrogen, Total Kjeldahl	EPA 351.2_2_1993	9
Sulfide, Acid-Soluble	EPA 9034_1996	
Aluminum	EPA 6010D_(7/14)	10
Antimony	EPA 6010D_(7/14)	10
Arsenic	EPA 6010D_(7/14)	10
Barium	EPA 6010D_(7/14)	10
Beryllium	EPA 6010D_(7/14)	10
Boron	EPA 6010D_(7/14)	9,10
Cadmium	EPA 6010D_(7/14)	10
Calcium	EPA 6010D_(7/14)	10
Chromium	EPA 6010D_(7/14)	10
Cobalt	EPA 6010D_(7/14)	10
Copper	EPA 6010D_(7/14)	10
Iron	EPA 6010D_(7/14)	10
Lead	EPA 6010D_(7/14)	9,10
Magnesium	EPA 6010D_(7/14)	10
Manganese	EPA 6010D_(7/14)	10
Molybdenum	EPA 6010D_(7/14)	10
Nickel	EPA 6010D_(7/14)	10
Phosphorus, Total	EPA 6010D_(7/14)	10
Potassium	EPA 6010D_(7/14)	10
Selenium	EPA 6010D_(7/14)	10
Silver	EPA 6010D_(7/14)	9,10
Sodium	EPA 6010D_(7/14)	10

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Strontium	EPA 6010D_(7/14)	10
Thallium	EPA 6010D_(7/14)	9,10
Tin	EPA 6010D_(7/14)	10
Titanium	EPA 6010D_(7/14)	10
Vanadium	EPA 6010D_(7/14)	10
Zinc	EPA 6010D_(7/14)	10
Aluminum	EPA 6020B_(7/14)	10
Antimony	EPA 6020B_(7/14)	10
Arsenic	EPA 6020B_(7/14)	10
Barium	EPA 6020B_(7/14)	10
Beryllium	EPA 6020B_(7/14)	10
Cadmium	EPA 6020B_(7/14)	10
Chromium	EPA 6020B_(7/14)	10
Cobalt	EPA 6020B_(7/14)	10
Copper	EPA 6020B_(7/14)	10
Lead	EPA 6020B_(7/14)	9,10
Manganese	EPA 6020B_(7/14)	10
Molybdenum	EPA 6020B_(7/14)	10
Nickel	EPA 6020B_(7/14)	10
Selenium	EPA 6020B_(7/14)	10
Silver	EPA 6020B_(7/14)	10
Strontium	EPA 6020B_(7/14)	10
Thallium	EPA 6020B_(7/14)	9,10
Titanium	EPA 6020B_(7/14)	10
Vanadium	EPA 6020B_(7/14)	10
Zinc	EPA 6020B_(7/14)	10
Mercury	EPA 7470A_1_1994	
Mercury	EPA 7471B_(1/98)	
Aroclor-1016 (PCB-1016)	EPA 600/4-81-045	
Aroclor-1221 (PCB-1221)	EPA 600/4-81-045	
Aroclor-1232 (PCB-1232)	EPA 600/4-81-045	
Aroclor-1242 (PCB-1242)	EPA 600/4-81-045	
Aroclor-1248 (PCB-1248)	EPA 600/4-81-045	
Aroclor-1254 (PCB-1254)	EPA 600/4-81-045	
Aroclor-1260 (PCB-1260)	EPA 600/4-81-045	
4,4'-DDD	EPA 8081B_(2/07)	
4,4'-DDE	EPA 8081B_(2/07)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
4,4'-DDT	EPA 8081B_(2/07)	
Aldrin	EPA 8081B_(2/07)	
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B_(2/07)	
alpha-Chlordane	EPA 8081B_(2/07)	
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B_(2/07)	
Captafol	EPA 8081B_(2/07)	
Chlordane (tech.)	EPA 8081B_(2/07)	
Chlorobenzilate	EPA 8081B_(2/07)	
Chloroneb	EPA 8081B_(2/07)	
Chloropropylate	EPA 8081B_(2/07)	
Chlorothalonil	EPA 8081B_(2/07)	
Dacthal (DCPA)	EPA 8081B_(2/07)	
delta-BHC	EPA 8081B_(2/07)	
Diallate	EPA 8081B_(2/07)	
Dichlone	EPA 8081B_(2/07)	
Dicofol	EPA 8081B_(2/07)	
Dieldrin	EPA 8081B_(2/07)	
Endosulfan I	EPA 8081B_(2/07)	
Endosulfan II	EPA 8081B_(2/07)	
Endosulfan sulfate	EPA 8081B_(2/07)	
Endrin	EPA 8081B_(2/07)	
Endrin aldehyde	EPA 8081B_(2/07)	
Endrin ketone	EPA 8081B_(2/07)	
Etridiazole	EPA 8081B_(2/07)	
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081B_(2/07)	
gamma-Chlordane	EPA 8081B_(2/07)	
Halowax-1000	EPA 8081B_(2/07)	
Halowax-1001	EPA 8081B_(2/07)	
Halowax-1013	EPA 8081B_(2/07)	
Halowax-1014	EPA 8081B_(2/07)	
Halowax-1051	EPA 8081B_(2/07)	
Halowax-1099	EPA 8081B_(2/07)	
Heptachlor	EPA 8081B_(2/07)	
Heptachlor epoxide	EPA 8081B_(2/07)	
Isodrin	EPA 8081B_(2/07)	
Methoxychlor	EPA 8081B_(2/07)	
Mirex	EPA 8081B_(2/07)	

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Nitrofen	EPA 8081B_(2/07)	
Permethrin (total)	EPA 8081B_(2/07)	
Perthane	EPA 8081B_(2/07)	
Strobane	EPA 8081B_(2/07)	
Toxaphene (Chlorinated camphene)	EPA 8081B_(2/07)	
trans-Nonachlor	EPA 8081B_(2/07)	
Aroclor-1016 (PCB-1016)	EPA 8082A_(2/07)	
Aroclor-1221 (PCB-1221)	EPA 8082A_(2/07)	
Aroclor-1232 (PCB-1232)	EPA 8082A_(2/07)	
Aroclor-1242 (PCB-1242)	EPA 8082A_(2/07)	
Aroclor-1248 (PCB-1248)	EPA 8082A_(2/07)	
Aroclor-1254 (PCB-1254)	EPA 8082A_(2/07)	
Aroclor-1260 (PCB-1260)	EPA 8082A_(2/07)	
2,4,5-T	EPA 8151A_(1/98)	
2,4-D	EPA 8151A_(1/98)	
2,4-DB	EPA 8151A_(1/98)	
3,5-Dichlorobenzoic acid	EPA 8151A_(1/98)	
4-Nitrophenol	EPA 8151A_(1/98)	
5-Hydroxydicamba	EPA 8151A_(1/98)	
Acifluorfen	EPA 8151A_(1/98)	
Bentazon	EPA 8151A_(1/98)	
Chloramben	EPA 8151A_(1/98)	
Dacthal (DCPA)	EPA 8151A_(1/98)	
Dalapon	EPA 8151A_(1/98)	
DCPA di acid degradate	EPA 8151A_(1/98)	
Dicamba	EPA 8151A_(1/98)	
Dichloroprop (Dichlorprop)	EPA 8151A_(1/98)	
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8151A_(1/98)	
MCPA	EPA 8151A_(1/98)	8
MCPP	EPA 8151A_(1/98)	8
Pentachlorophenol	EPA 8151A_(1/98)	
Picloram	EPA 8151A_(1/98)	
Silvex (2,4,5-TP)	EPA 8151A_(1/98)	
Trichlopyr	EPA 8151A_(1/98)	
Diesel range organics (DRO)	WDOE NWTPH-Dx_(1997)	4,17,18
Gasoline range organics (GRO)	WDOE NWTPH-Gx_(1997)	4,17,19
Azinphos-methyl (Guthion)	EPA 8141B_2_(2/07)	7

Edge Analytical, Incorporated

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Bolstar (Sulprofos)	EPA 8141B_2_(2/07)	7
Chlorpyrifos	EPA 8141B_2_(2/07)	7
Coumaphos	EPA 8141B_2_(2/07)	7
Demeton	EPA 8141B_2_(2/07)	7
Diazinon	EPA 8141B_2_(2/07)	7
Dichlorovos (DDVP, Dichlorvos)	EPA 8141B_2_(2/07)	7
Dimethoate	EPA 8141B_2_(2/07)	7
Disulfoton	EPA 8141B_2_(2/07)	7
EPN	EPA 8141B_2_(2/07)	7
Ethoprop	EPA 8141B_2_(2/07)	7
Fensulfothion	EPA 8141B_2_(2/07)	7
Fenthion	EPA 8141B_2_(2/07)	7
Malathion	EPA 8141B_2_(2/07)	7
Merphos	EPA 8141B_2_(2/07)	7
Methyl parathion (Parathion, methyl)	EPA 8141B_2_(2/07)	7
Mevinphos	EPA 8141B_2_(2/07)	7
Monocrotophos	EPA 8141B_2_(2/07)	7
Parathion, ethyl	EPA 8141B_2_(2/07)	7
Phorate	EPA 8141B_2_(2/07)	7
Ronnel	EPA 8141B_2_(2/07)	7
Sulfotepp	EPA 8141B_2_(2/07)	7
Tetrachlorvinphos (Stirophos, Gardona)	EPA 8141B_2_(2/07)	7
Tokuthion (Prothiophos)	EPA 8141B_2_(2/07)	7
Trichloronate	EPA 8141B_2_(2/07)	7
1,1,1,2-Tetrachloroethane	EPA 8260D_4_(6/18)	
1,1,1-Trichloro-2,2,2-trifluoroethane	EPA 8260D_4_(6/18)	
1,1,1-Trichloro-2-propanone	EPA 8260D_4_(6/18)	
1,1,1-Trichloroethane	EPA 8260D_4_(6/18)	
1,1,2,2-Tetrachloroethane	EPA 8260D_4_(6/18)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D_4_(6/18)	
1,1,2-Trichloroethane	EPA 8260D_4_(6/18)	
1,1,2-Trichlorofluoroethane	EPA 8260D_4_(6/18)	
1,1-Dichloro-1-fluoroethane	EPA 8260D_4_(6/18)	
1,1-Dichloroethane	EPA 8260D_4_(6/18)	
1,1-Dichloroethylene	EPA 8260D_4_(6/18)	
1,1-Dichloropropene	EPA 8260D_4_(6/18)	
1,2,3,4-Diepoxybutane	EPA 8260D_4_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
1,2,3-Trichlorobenzene	EPA 8260D_4_(6/18)	11
1,2,3-Trichloropropane	EPA 8260D_4_(6/18)	
1,2,3-Trimethylbenzene	EPA 8260D_4_(6/18)	
1,2,4-Trichlorobenzene	EPA 8260D_4_(6/18)	
1,2,4-Trimethylbenzene	EPA 8260D_4_(6/18)	11
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D_4_(6/18)	
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D_4_(6/18)	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	EPA 8260D_4_(6/18)	
1,2-Dichloro-1,1,2-trifluoroethane	EPA 8260D_4_(6/18)	11
1,2-Dichlorobenzene	EPA 8260D_4_(6/18)	
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D_4_(6/18)	
1,2-Dichloropropane	EPA 8260D_4_(6/18)	
1,2-Dimethoxyethane	EPA 8260D_4_(6/18)	11
1,3,5-Trimethylbenzene	EPA 8260D_4_(6/18)	
1,3-Butanediol	EPA 8260D_4_(6/18)	
1,3-Dichloro-2-propanol	EPA 8260D_4_(6/18)	
1,3-Dichlorobenzene	EPA 8260D_4_(6/18)	11
1,3-Dichloropropane	EPA 8260D_4_(6/18)	
1,3-Dichloropropene	EPA 8260D_4_(6/18)	
1,4-Butanediol	EPA 8260D_4_(6/18)	
1,4-Dichloro-2-butene	EPA 8260D_4_(6/18)	11
1,4-Dichlorobenzene	EPA 8260D_4_(6/18)	
1,4-Difluorobenzene	EPA 8260D_4_(6/18)	
1,4-Dioxane (1,4- Diethyleneoxide)	EPA 8260D_4_(6/18)	
1-Butene	EPA 8260D_4_(6/18)	11
1-Chloro-1,2,2-trifluoroethane (Freon 133)	EPA 8260D_4_(6/18)	
1-Chlorobutane	EPA 8260D_4_(6/18)	
1-Heptene	EPA 8260D_4_(6/18)	
1-Hexene	EPA 8260D_4_(6/18)	11
1-Methyl-2-n-propylbenzene	EPA 8260D_4_(6/18)	
1-Propene	EPA 8260D_4_(6/18)	
2,2,4-Trimethylpentane	EPA 8260D_4_(6/18)	
2,2-Dichloro-1,1,1-trifluoroethane (Freon 123)	EPA 8260D_4_(6/18)	11
2,2-Dichloropropane	EPA 8260D_4_(6/18)	
2,2-Dimethylbutane	EPA 8260D_4_(6/18)	
2,2'-Oxybis(1-chloropropane)	EPA 8260D_4_(6/18)	
2,3,4-Trimethylpentane	EPA 8260D_4_(6/18)	11

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
2,3-Dichloropropene	EPA 8260D_4_(6/18)	
2,3-Dimethylbutane	EPA 8260D_4_(6/18)	
2,3-Dimethylpentane	EPA 8260D_4_(6/18)	
2,4-Dimethylpentane	EPA 8260D_4_(6/18)	
2-Bromofluorobenzene	EPA 8260D_4_(6/18)	
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D_4_(6/18)	
2-Chloro-2-methylbutane (tert-Amyl chloride)	EPA 8260D_4_(6/18)	
2-Chloroethanol	EPA 8260D_4_(6/18)	
2-Chloroethyl vinyl ether	EPA 8260D_4_(6/18)	11
2-Chlorotoluene	EPA 8260D_4_(6/18)	
2-Ethylhexanol (2-Ethyl-1-hexanol)	EPA 8260D_4_(6/18)	
2-Ethyltoluene	EPA 8260D_4_(6/18)	
2-Hexanone	EPA 8260D_4_(6/18)	
2-Hexene	EPA 8260D_4_(6/18)	
2-Hydroxypropionitrile	EPA 8260D_4_(6/18)	
2-Methoxyethanol (Methyl cellosolve)	EPA 8260D_4_(6/18)	
2-Methyl-1,3-dioxolane	EPA 8260D_4_(6/18)	
2-Methyl-2-Butene	EPA 8260D_4_(6/18)	
2-Methylaniline (o-Toluidine)	EPA 8260D_4_(6/18)	
2-Methylbutadiene (Isoprene)	EPA 8260D_4_(6/18)	
2-Methylbutane (Isopentane)	EPA 8260D_4_(6/18)	
2-Methylheptane	EPA 8260D_4_(6/18)	
2-Methylhexane	EPA 8260D_4_(6/18)	
2-Methylpentane (Isohexane)	EPA 8260D_4_(6/18)	
2-methylpropane (Isobutane)	EPA 8260D_4_(6/18)	
2-Nitropropane	EPA 8260D_4_(6/18)	
2-Pentanone	EPA 8260D_4_(6/18)	
2-Picoline (2-Methylpyridine)	EPA 8260D_4_(6/18)	
3-Bromofluorobenzene	EPA 8260D_4_(6/18)	
3-Butene-1-ol	EPA 8260D_4_(6/18)	
3-Chloropropionitrile	EPA 8260D_4_(6/18)	
3-Ethyltoluene	EPA 8260D_4_(6/18)	
3-Methyl-1-Butene	EPA 8260D_4_(6/18)	
3-Methylheptane	EPA 8260D_4_(6/18)	
3-Methylhexane	EPA 8260D_4_(6/18)	
3-Methylpentane	EPA 8260D_4_(6/18)	
4-Bromofluorobenzene	EPA 8260D_4_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
4-Chlorotoluene	EPA 8260D_4_(6/18)	
4-Ethyltoluene	EPA 8260D_4_(6/18)	
4-Isopropyltoluene (p-Cymene)	EPA 8260D_4_(6/18)	
4-Methyl-1-Pentene	EPA 8260D_4_(6/18)	
4-Methyl-2-pentanone (MIBK)	EPA 8260D_4_(6/18)	
4-Methylaniline (p-Toluidine)	EPA 8260D_4_(6/18)	
Acetamide	EPA 8260D_4_(6/18)	
Acetone	EPA 8260D_4_(6/18)	
Acetylene	EPA 8260D_4_(6/18)	
Acrolein (Propenal)	EPA 8260D_4_(6/18)	
Acrylamide	EPA 8260D_4_(6/18)	
Acrylic acid	EPA 8260D_4_(6/18)	
Acrylonitrile	EPA 8260D_4_(6/18)	11
Adsorbable Organic Halides (AOX)	EPA 8260D_4_(6/18)	
Allyl alcohol	EPA 8260D_4_(6/18)	
Allyl chloride (3-Chloropropene)	EPA 8260D_4_(6/18)	
alpha-Methylstyrene	EPA 8260D_4_(6/18)	
Benzene	EPA 8260D_4_(6/18)	11
beta-Propiolactone	EPA 8260D_4_(6/18)	
bis(2-Chloroethyl) sulfide	EPA 8260D_4_(6/18)	
bis(Chloromethyl)ether	EPA 8260D_4_(6/18)	
Bromoacetone	EPA 8260D_4_(6/18)	
Bromobenzene	EPA 8260D_4_(6/18)	
Bromochloromethane	EPA 8260D_4_(6/18)	
Bromodichloromethane	EPA 8260D_4_(6/18)	
Bromoethane (Ethyl Bromide)	EPA 8260D_4_(6/18)	
Bromoethene	EPA 8260D_4_(6/18)	
Bromoform	EPA 8260D_4_(6/18)	
Butyl acetate	EPA 8260D_4_(6/18)	
Carbon disulfide	EPA 8260D_4_(6/18)	
Carbon tetrachloride	EPA 8260D_4_(6/18)	
Chloral hydrate	EPA 8260D_4_(6/18)	
Chloroacetonitrile	EPA 8260D_4_(6/18)	
Chlorobenzene	EPA 8260D_4_(6/18)	
Chlorodibromomethane	EPA 8260D_4_(6/18)	
Chlorodifluoromethane (Freon-22)	EPA 8260D_4_(6/18)	
Chloroethane (Ethyl chloride)	EPA 8260D_4_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Chloroform	EPA 8260D_4_(6/18)	
Chloromethyl methyl ether	EPA 8260D_4_(6/18)	
Chloropicrin	EPA 8260D_4_(6/18)	
Chloroprene (2-Chloro-1,3-butadiene)	EPA 8260D_4_(6/18)	
cis & trans-1,2-Dichloroethene	EPA 8260D_4_(6/18)	
cis-1,2-Dichloroethylene	EPA 8260D_4_(6/18)	
cis-1,3-Dichloropropene	EPA 8260D_4_(6/18)	
cis-2-Butene	EPA 8260D_4_(6/18)	
cis-2-Hexene	EPA 8260D_4_(6/18)	
cis-2-pentene	EPA 8260D_4_(6/18)	
Cycloate	EPA 8260D_4_(6/18)	
Cyclohexanol	EPA 8260D_4_(6/18)	
Cyclopentane	EPA 8260D_4_(6/18)	
Cyclopentene	EPA 8260D_4_(6/18)	
Decanal	EPA 8260D_4_(6/18)	
Dibromochloropropane	EPA 8260D_4_(6/18)	
Dibromofluoromethane	EPA 8260D_4_(6/18)	
Dibromomethane	EPA 8260D_4_(6/18)	
Dichlorodifluoromethane (Freon-12)	EPA 8260D_4_(6/18)	
Dichlorofluoromethane (Freon 21)	EPA 8260D_4_(6/18)	
Dichlorotetrafluoroethane	EPA 8260D_4_(6/18)	
Dicyclopentadiene	EPA 8260D_4_(6/18)	
Diethyl ether	EPA 8260D_4_(6/18)	
Diethylamine	EPA 8260D_4_(6/18)	
Diethylene glycol	EPA 8260D_4_(6/18)	
Dimethyl disulfide	EPA 8260D_4_(6/18)	
Dimethyl sulfoxide	EPA 8260D_4_(6/18)	
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	EPA 8260D_4_(6/18)	
Ethane	EPA 8260D_4_(6/18)	
Ethene	EPA 8260D_4_(6/18)	
Ethyl acetate	EPA 8260D_4_(6/18)	
Ethyl acrylate	EPA 8260D_4_(6/18)	
Ethyl methacrylate	EPA 8260D_4_(6/18)	
Ethylbenzene	EPA 8260D_4_(6/18)	11
Ethylene glycol	EPA 8260D_4_(6/18)	
Ethylene oxide	EPA 8260D_4_(6/18)	
Ethylene thiourea	EPA 8260D_4_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Ethyleneimine	EPA 8260D_4_(6/18)	
Fluorobenzene	EPA 8260D_4_(6/18)	
Fluoromethane (Freon 41)	EPA 8260D_4_(6/18)	
Heptanal	EPA 8260D_4_(6/18)	
Hexachlorobutadiene	EPA 8260D_4_(6/18)	
Hexachloroethane	EPA 8260D_4_(6/18)	
Iodomethane (Methyl iodide)	EPA 8260D_4_(6/18)	
Isopropyl acetate	EPA 8260D_4_(6/18)	
Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8260D_4_(6/18)	
Isopropylbenzene	EPA 8260D_4_(6/18)	
m+p-xylene	EPA 8260D_4_(6/18)	11
Malononitrile	EPA 8260D_4_(6/18)	
Methacrylonitrile	EPA 8260D_4_(6/18)	
Methane	EPA 8260D_4_(6/18)	
Methanol	EPA 8260D_4_(6/18)	
Methyl acrylate	EPA 8260D_4_(6/18)	
Methyl bromide (Bromomethane)	EPA 8260D_4_(6/18)	
Methyl chloride (Chloromethane)	EPA 8260D_4_(6/18)	
Methyl formate	EPA 8260D_4_(6/18)	
Methyl methacrylate	EPA 8260D_4_(6/18)	
Methyl tert-butyl ether (MTBE)	EPA 8260D_4_(6/18)	
Methylcyclopentane	EPA 8260D_4_(6/18)	
Methylene chloride (Dichloromethane)	EPA 8260D_4_(6/18)	
n, n-Dimethylformamide	EPA 8260D_4_(6/18)	
n-Amyl acetate	EPA 8260D_4_(6/18)	
n-Amyl alcohol	EPA 8260D_4_(6/18)	
Naphthalene	EPA 8260D_4_(6/18)	
n-Butane	EPA 8260D_4_(6/18)	
n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8260D_4_(6/18)	
n-Butylbenzene	EPA 8260D_4_(6/18)	
n-Butylcyclopentane	EPA 8260D_4_(6/18)	
n-Heptane	EPA 8260D_4_(6/18)	
Nitrobenzene	EPA 8260D_4_(6/18)	
n-Nitroso-di-n-butylamine	EPA 8260D_4_(6/18)	
n-Nonane	EPA 8260D_4_(6/18)	
n-Octane	EPA 8260D_4_(6/18)	
n-Pentane	EPA 8260D_4_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
n-Propane	EPA 8260D_4_(6/18)	
n-Propanol (1-Propanol)	EPA 8260D_4_(6/18)	
n-Propylamine	EPA 8260D_4_(6/18)	
n-Propylbenzene	EPA 8260D_4_(6/18)	
o-Xylene	EPA 8260D_4_(6/18)	11
p-Diethylbenzene	EPA 8260D_4_(6/18)	
Pentachloroethane	EPA 8260D_4_(6/18)	
Pentafluorobenzene	EPA 8260D_4_(6/18)	
Propargyl alcohol	EPA 8260D_4_(6/18)	
Propyne	EPA 8260D_4_(6/18)	
Purgeable Organic Halides	EPA 8260D_4_(6/18)	
Pyridine	EPA 8260D_4_(6/18)	
Sec-Amyl Alcohol (2-Pentanol)	EPA 8260D_4_(6/18)	
sec-Butylbenzene	EPA 8260D_4_(6/18)	
S-Methyl thioacetate (S-Methyl etanethioate)	EPA 8260D_4_(6/18)	
Styrene	EPA 8260D_4_(6/18)	11
tert-Amyl ethyl ether (TAEE)	EPA 8260D_4_(6/18)	
tert-Butylbenzene	EPA 8260D_4_(6/18)	
Tetrachloroethylene (Perchloroethylene)	EPA 8260D_4_(6/18)	
Tetrahydrofuran (THF)	EPA 8260D_4_(6/18)	
Toluene	EPA 8260D_4_(6/18)	
Total Trihalomethanes	EPA 8260D_4_(6/18)	
Total Volatile Petroleum Hydrocarbons (VPH)	EPA 8260D_4_(6/18)	
trans-1,2-Dichloroethylene	EPA 8260D_4_(6/18)	
trans-1,3-Dichloropropylene	EPA 8260D_4_(6/18)	
trans-1,4-Dichloro-2-butene	EPA 8260D_4_(6/18)	
trans-2-Butene	EPA 8260D_4_(6/18)	
trans-2-Hexene	EPA 8260D_4_(6/18)	
trans-2-pentene	EPA 8260D_4_(6/18)	
Trichloroethene (Trichloroethylene)	EPA 8260D_4_(6/18)	
Trichlorofluoromethane (Freon 11)	EPA 8260D_4_(6/18)	
Triethylamine	EPA 8260D_4_(6/18)	
Trifluoromethane (Freon 23)	EPA 8260D_4_(6/18)	
Vinyl acetate	EPA 8260D_4_(6/18)	
Vinyl bromide	EPA 8260D_4_(6/18)	
Vinyl chloride	EPA 8260D_4_(6/18)	11
Xylene (total)	EPA 8260D_4_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
1,2,4-Trichlorobenzene	EPA 8270E_6_(6/18)	
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8270E_6_(6/18)	
1,2-Dichlorobenzene	EPA 8270E_6_(6/18)	
1,2-Dinitrobenzene	EPA 8270E_6_(6/18)	
1,2-Diphenylhydrazine	EPA 8270E_6_(6/18)	
1,3-Dichlorobenzene	EPA 8270E_6_(6/18)	
1,4-Dichlorobenzene	EPA 8270E_6_(6/18)	
1,4-Dinitrobenzene	EPA 8270E_6_(6/18)	
1,4-Phenylenediamine	EPA 8270E_6_(6/18)	
1-Acetyl-2-thiourea	EPA 8270E_6_(6/18)	
2,3,4,6-Tetrachlorophenol	EPA 8270E_6_(6/18)	
2,4,5-Trichlorophenol	EPA 8270E_6_(6/18)	
2,4,5-Trimethylaniline	EPA 8270E_6_(6/18)	
2,4,6-Trichlorophenol	EPA 8270E_6_(6/18)	
2,4-Diaminotoluene	EPA 8270E_6_(6/18)	
2,4-Dichlorophenol	EPA 8270E_6_(6/18)	
2,4-Dimethylphenol	EPA 8270E_6_(6/18)	
2,4-Dinitrophenol	EPA 8270E_6_(6/18)	
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E_6_(6/18)	
2,6-Dichlorophenol	EPA 8270E_6_(6/18)	
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E_6_(6/18)	
2-Aminoanthraquinone	EPA 8270E_6_(6/18)	
2-Chloronaphthalene	EPA 8270E_6_(6/18)	
2-Chlorophenol	EPA 8270E_6_(6/18)	
2-Cyclohexyl-4,6-dinitrophenol	EPA 8270E_6_(6/18)	
2-Methylnaphthalene	EPA 8270E_6_(6/18)	
2-Methylphenol (o-Cresol)	EPA 8270E_6_(6/18)	
2-Nitrophenol	EPA 8270E_6_(6/18)	
3-(Chloromethyl) pyridine hydrochloride	EPA 8270E_6_(6/18)	
3,3'-Dichlorobenzidine	EPA 8270E_6_(6/18)	
3,3'-Dimethoxybenzidine	EPA 8270E_6_(6/18)	
3-Amino-9-ethylcarbazole	EPA 8270E_6_(6/18)	
4,4'-DDD	EPA 8270E_6_(6/18)	
4,4'-DDE	EPA 8270E_6_(6/18)	
4,4'-DDT	EPA 8270E_6_(6/18)	
4,4'-Methylenebis(2-chloroaniline)	EPA 8270E_6_(6/18)	
4,4'-Methylenebis(n, n-dimethylaniline)	EPA 8270E_6_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
4,4'-Oxydianiline	EPA 8270E_6_(6/18)	
4,6-Dinitro-2-methylphenol	EPA 8270E_6_(6/18)	
4-Chloro-1,2-phenylenediamine	EPA 8270E_6_(6/18)	
4-Chloro-1,3-phenylenediamine	EPA 8270E_6_(6/18)	
4-Chloro-3-methylphenol	EPA 8270E_6_(6/18)	
4-Chlorophenol	EPA 8270E_6_(6/18)	
4-Chlorophenyl phenylether	EPA 8270E_6_(6/18)	
4-Dimethyl aminoazobenzene	EPA 8270E_6_(6/18)	
4-Nitrobiphenyl	EPA 8270E_6_(6/18)	
4-Nitrophenol	EPA 8270E_6_(6/18)	
5,5-Diphenylhydantoin	EPA 8270E_6_(6/18)	
5-Chloro-2-methylaniline	EPA 8270E_6_(6/18)	
5-Nitroacenaphthene	EPA 8270E_6_(6/18)	
5-Nitro-o-anisidine	EPA 8270E_6_(6/18)	
Acenaphthene	EPA 8270E_6_(6/18)	
Acenaphthylene	EPA 8270E_6_(6/18)	
alpha-Terpineol	EPA 8270E_6_(6/18)	
Aminoazobenzene	EPA 8270E_6_(6/18)	
Anilazine	EPA 8270E_6_(6/18)	
Anthracene	EPA 8270E_6_(6/18)	
Aramite	EPA 8270E_6_(6/18)	
Barban	EPA 8270E_6_(6/18)	
Benzidine	EPA 8270E_6_(6/18)	
Benzo(a)anthracene	EPA 8270E_6_(6/18)	
Benzo(a)pyrene	EPA 8270E_6_(6/18)	
Benzo(g,h,i)perylene	EPA 8270E_6_(6/18)	
Benzo(k)fluoranthene	EPA 8270E_6_(6/18)	
Benzo[b]fluoranthene	EPA 8270E_6_(6/18)	
Benzoic acid	EPA 8270E_6_(6/18)	
Benzyl alcohol	EPA 8270E_6_(6/18)	
bis(2-Chloroethoxy)methane	EPA 8270E_6_(6/18)	
bis(2-Chloroethyl) ether	EPA 8270E_6_(6/18)	
bis(2-Chloroisopropyl) ether	EPA 8270E_6_(6/18)	
Bromoxynil octanate	EPA 8270E_6_(6/18)	
Butyl benzyl phthalate	EPA 8270E_6_(6/18)	
Captafol	EPA 8270E_6_(6/18)	
Captan	EPA 8270E_6_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Carbazole	EPA 8270E_6_(6/18)	
Carbophenothion	EPA 8270E_6_(6/18)	
Chrysene	EPA 8270E_6_(6/18)	
Di(2-ethylhexyl)adipate	EPA 8270E_6_(6/18)	
Di(2-ethylhexyl)phthalate	EPA 8270E_6_(6/18)	
Dibenz(a,h) acridine	EPA 8270E_6_(6/18)	
Dibenz(a,h) anthracene	EPA 8270E_6_(6/18)	
Dibenz(a,j) acridine	EPA 8270E_6_(6/18)	
Dibenzo(a,e) pyrene	EPA 8270E_6_(6/18)	
Dibenzofuran	EPA 8270E_6_(6/18)	
Dibenzothiophene	EPA 8270E_6_(6/18)	
Dichlone	EPA 8270E_6_(6/18)	
Diethyl phthalate	EPA 8270E_6_(6/18)	
Diethyl sulfate	EPA 8270E_6_(6/18)	
Diethylstilbestrol	EPA 8270E_6_(6/18)	
Dihydrosafrole	EPA 8270E_6_(6/18)	
Dimethyl phthalate	EPA 8270E_6_(6/18)	
Di-n-butyl phthalate	EPA 8270E_6_(6/18)	
Dinocap	EPA 8270E_6_(6/18)	
Di-n-octyl phthalate	EPA 8270E_6_(6/18)	
Diphenylamine	EPA 8270E_6_(6/18)	
Fluchloralin	EPA 8270E_6_(6/18)	
Fluoranthene	EPA 8270E_6_(6/18)	
Fluorene	EPA 8270E_6_(6/18)	
Hexachlorobenzene	EPA 8270E_6_(6/18)	
Hexachlorobutadiene	EPA 8270E_6_(6/18)	
Hexachlorocyclopentadiene	EPA 8270E_6_(6/18)	
Hexachloroethane	EPA 8270E_6_(6/18)	
Hexamethylphosphoramide (HMPA)	EPA 8270E_6_(6/18)	
Hydroquinone	EPA 8270E_6_(6/18)	
Indeno(1,2,3-cd) pyrene	EPA 8270E_6_(6/18)	
Isophorone	EPA 8270E_6_(6/18)	
m+p Cresol	EPA 8270E_6_(6/18)	
Mestranol	EPA 8270E_6_(6/18)	
Mexacarbate	EPA 8270E_6_(6/18)	
Mirex	EPA 8270E_6_(6/18)	
Naphthalene	EPA 8270E_6_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
n-Hexadecane	EPA 8270E_6_(6/18)	
Nicotine	EPA 8270E_6_(6/18)	
Nitrobenzene	EPA 8270E_6_(6/18)	
Nitrofen	EPA 8270E_6_(6/18)	
Nitroquinoline-1-oxide	EPA 8270E_6_(6/18)	
n-Nitrosodimethylamine	EPA 8270E_6_(6/18)	
N-Nitroso-di-n-propylamine	EPA 8270E_6_(6/18)	
n-Nitrosodiphenylamine	EPA 8270E_6_(6/18)	
n-Tetradecane	EPA 8270E_6_(6/18)	
o-Anisidine	EPA 8270E_6_(6/18)	
Octamethyl pyrophosphoramidate	EPA 8270E_6_(6/18)	
p-Benzoquinone	EPA 8270E_6_(6/18)	
p-Cresidine	EPA 8270E_6_(6/18)	
Pentachlorophenol	EPA 8270E_6_(6/18)	
Phenanthrene	EPA 8270E_6_(6/18)	
Phenobarbital	EPA 8270E_6_(6/18)	
Phenol	EPA 8270E_6_(6/18)	
Phosalone	EPA 8270E_6_(6/18)	
Phosmet (Imidan)	EPA 8270E_6_(6/18)	
Phosphamidon	EPA 8270E_6_(6/18)	
Phthalic anhydride	EPA 8270E_6_(6/18)	
Piperonyl sulfoxide	EPA 8270E_6_(6/18)	
Propylthiouracil	EPA 8270E_6_(6/18)	
Pyrene	EPA 8270E_6_(6/18)	
Pyridine	EPA 8270E_6_(6/18)	
Resorcinol	EPA 8270E_6_(6/18)	
Strychnine	EPA 8270E_6_(6/18)	
Sulfallate	EPA 8270E_6_(6/18)	
Terbufos	EPA 8270E_6_(6/18)	
Tetraethyl dithiopyrophosphate	EPA 8270E_6_(6/18)	
Thiophenol (Benzenethiol)	EPA 8270E_6_(6/18)	
Toluene diisocyanate	EPA 8270E_6_(6/18)	
Trifluralin (Treflan)	EPA 8270E_6_(6/18)	
Trimethyl phosphate	EPA 8270E_6_(6/18)	
Tri-p-tolyl phosphate	EPA 8270E_6_(6/18)	
tris-(2,3-Dibromopropyl) phosphate (tris-BP)	EPA 8270E_6_(6/18)	
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E_6_(6/18) SIM	

Matrix/Analyte	Method	Notes
----------------	--------	-------

Accredited Parameter Note Detail

(1) Accreditation based in part on recognition of Oregon NELAP accreditation. (2) Accreditation based in part on recognition of EPA Region 10 certification. (3) Method not approved for NPDES testing. (4) Washington Department of Ecology Analytical Methods for Petroleum Hydrocarbons, Publication Number ECY 97-602, June 1997. (5) Approved for compliance testing only when holding time is met. (7) Method modified to determine this analyte. (8) Results for MCPP and MCPA reported from GC/MS SIM data. (9) Provisional accreditation pending submittal of additional, acceptable Proficiency Testing (PT) results (WAC 173-50-110). (10) Provisional accreditation pending completion of update to SW 846 Update V. (11) Includes SIM (13) Provisional status pending completion of update to EPA Method 624.1 (14) Provisional status pending completion of update to EPA Method 608.3 (15) Provisional status pending completion of update to EPA Method 625.1 (17) Interim accreditation pending the successful completion of an on-site audit to verify method capabilities (WAC 173-50-100). (18) Provisional accreditation pending acceptable SOP. (19) Provisional accreditation pending submittal of acceptable SOP and IDC. (88) Interim Washington accreditation pending receipt of an updated Scope from your other recognized accreditor (Oregon NELAP). This accreditation is based in part on recognition of your currently held accreditations for previous method versions.



Authentication Signature

Rebecca Wood, Lab Accreditation Unit Supervisor

01/31/2022

Date

The State of
Department



Washington
of Ecology

Anatek Labs, Inc - Moscow
Moscow, ID

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective March 21, 2022 and shall expire March 20, 2023.

Witnessed under my hand on April 22, 2022

Rebecca Wood
Lab Accreditation Unit Supervisor

Laboratory ID
C595

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Anatek Labs, Inc - Moscow

Moscow, ID

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/Analyte	Method	Notes
Drinking Water		
Turbidity	EPA 180.1_2_1993	1,8
Bromide	EPA 300.0_2.1_1993	9
Chloride	EPA 300.0_2.1_1993	1
Fluoride	EPA 300.0_2.1_1993	1,8
Nitrate	EPA 300.0_2.1_1993	1,8
Nitrate + Nitrite	EPA 300.0_2.1_1993	1
Nitrite	EPA 300.0_2.1_1993	1,8,9
Orthophosphate	EPA 300.0_2.1_1993	1
Sulfate	EPA 300.0_2.1_1993	1
Perchlorate	EPA 331.0_1.0_2005	1,9
Cyanide, Total	EPA 335.4_1_1993	1,8
Color	SM 2120 B-2011	1,9
Alkalinity	SM 2320 B-2011	1
Hardness (calc.)	SM 2340 B-2011	1
Specific Conductance	SM 2510 B-2011	1
Solids, Total Dissolved	SM 2540 C-2011	1
Cyanide, Weak Acid Dissociable	SM 4500 CN ⁻ I-2011	
pH	SM 4500-H ⁺ B-2011	1,6
Nitrate	SM 4500-NO ₃ ⁻ F-2011	1,8
Nitrate + Nitrite	SM 4500-NO ₃ ⁻ F-2011	1
Nitrite	SM 4500-NO ₃ ⁻ F-2011	1,8
Total Organic Carbon	SM 5310 B-2011	1,9
Anionic Surfactants (MBAS)	SM 5540 C-2011	1
Aluminum	EPA 200.7_4.4_1994	1
Barium	EPA 200.7_4.4_1994	1,8
Beryllium	EPA 200.7_4.4_1994	1

Washington State Department of Ecology

Laboratory Accreditation Unit

Effective Date: 7/13/2022

Page 1 of 25

Scope of Accreditation Report for Anatek Labs, Inc - Moscow

Scope Expires: 3/20/2023

C595-22b

Anatek Labs, Inc - Moscow

Matrix/Analyte	Method	Notes
Drinking Water		
Boron	EPA 200.7_4.4_1994	
Cadmium	EPA 200.7_4.4_1994	1
Calcium	EPA 200.7_4.4_1994	1
Chromium	EPA 200.7_4.4_1994	1,8
Copper	EPA 200.7_4.4_1994	1,8
Iron	EPA 200.7_4.4_1994	1
Magnesium	EPA 200.7_4.4_1994	1
Manganese	EPA 200.7_4.4_1994	1
Nickel	EPA 200.7_4.4_1994	1,8
Potassium	EPA 200.7_4.4_1994	1
Sodium	EPA 200.7_4.4_1994	1,8
Zinc	EPA 200.7_4.4_1994	
Aluminum	EPA 200.8_5.4_1994	1
Antimony	EPA 200.8_5.4_1994	1,8
Arsenic	EPA 200.8_5.4_1994	1,8
Barium	EPA 200.8_5.4_1994	1,8
Beryllium	EPA 200.8_5.4_1994	1,8
Cadmium	EPA 200.8_5.4_1994	1,8
Chromium	EPA 200.8_5.4_1994	1,8
Copper	EPA 200.8_5.4_1994	1,8
Lead	EPA 200.8_5.4_1994	1,8
Manganese	EPA 200.8_5.4_1994	1
Mercury	EPA 200.8_5.4_1994	1,8
Nickel	EPA 200.8_5.4_1994	1,8
Selenium	EPA 200.8_5.4_1994	1,8
Silver	EPA 200.8_5.4_1994	1
Thallium	EPA 200.8_5.4_1994	1,8
Total Uranium	EPA 200.8_5.4_1994	1,8
Zinc	EPA 200.8_5.4_1994	1
1,2,3-Trichloropropane	EPA 504.1_1.1_1995	1
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1_1.1_1995	1,8
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1_1.1_1995	1,8
Aldrin	EPA 505_2.1_1995	1
Aroclor-1016 (PCB-1016)	EPA 505_2.1_1995	1,8
Aroclor-1221 (PCB-1221)	EPA 505_2.1_1995	1,8
Aroclor-1232 (PCB-1232)	EPA 505_2.1_1995	1,8
Aroclor-1242 (PCB-1242)	EPA 505_2.1_1995	1,8

Washington State Department of Ecology

Effective Date: 7/13/2022

Scope of Accreditation Report for Anatek Labs, Inc - Moscow

C595-22b

Laboratory Accreditation Unit

Page 2 of 25

Scope Expires: 3/20/2023

Matrix/Analyte	Method	Notes
Drinking Water		
Aroclor-1248 (PCB-1248)	EPA 505_2.1_1995	1,8
Aroclor-1254 (PCB-1254)	EPA 505_2.1_1995	1,8
Aroclor-1260 (PCB-1260)	EPA 505_2.1_1995	1,8
Chlordane (tech.)	EPA 505_2.1_1995	1,8
Dieldrin	EPA 505_2.1_1995	1
Endrin	EPA 505_2.1_1995	1,8
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 505_2.1_1995	1,8
Heptachlor	EPA 505_2.1_1995	1,8
Heptachlor epoxide	EPA 505_2.1_1995	1,8
Methoxychlor	EPA 505_2.1_1995	1,8
Toxaphene (Chlorinated camphene)	EPA 505_2.1_1995	1,8
2,4,5-T	EPA 515.4_1_2000	1
2,4-D	EPA 515.4_1_2000	1,8
2,4-DB	EPA 515.4_1_2000	1
3,5-Dichlorobenzoic acid	EPA 515.4_1_2000	
Acifluorfen	EPA 515.4_1_2000	1
Bentazon	EPA 515.4_1_2000	
Chloramben	EPA 515.4_1_2000	
Dacthal Acid Metabolites	EPA 515.4_1_2000	1
Dalapon	EPA 515.4_1_2000	1,8
Dicamba	EPA 515.4_1_2000	1
Dichloroprop (Dichloroprop)	EPA 515.4_1_2000	1
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 515.4_1_2000	1,8
Pentachlorophenol	EPA 515.4_1_2000	1,8
Picloram	EPA 515.4_1_2000	1,8
Silvex (2,4,5-TP)	EPA 515.4_1_2000	1,8
3-Hydroxycarbofuran	EPA 531.2_1_2001	1
Aldicarb (Temik)	EPA 531.2_1_2001	1
Aldicarb sulfone	EPA 531.2_1_2001	1
Aldicarb sulfoxide	EPA 531.2_1_2001	1
Carbaryl (Sevin)	EPA 531.2_1_2001	1
Carbofuran (Furaden)	EPA 531.2_1_2001	1,8
Methiocarb (Mesurol)	EPA 531.2_1_2001	1
Methomyl (Lannate)	EPA 531.2_1_2001	1
Oxamyl	EPA 531.2_1_2001	1,8
Propoxur (Baygon)	EPA 531.2_1_2001	1
Glyphosate	EPA 547_1990	1,8

Matrix/Analyte	Method	Notes
Drinking Water		
Diquat	EPA 549.2_1_1997	1,8
Bromoacetic acid (MBAA, BAA)	SM 6251 B-05	1,8
Bromochloroacetic acid (BCAA)	SM 6251 B-05	1
Chloroacetic acid (MCAA, CAA)	SM 6251 B-05	1,8
Dibromoacetic acid (DBAA)	SM 6251 B-05	1,8
Dichloroacetic acid (DCAA)	SM 6251 B-05	1,8
Total haloacetic acids (HAA5)	SM 6251 B-05	1,8
Trichloroacetic acid (TCAA)	SM 6251 B-05	1,8
1,1,1,2-Tetrachloroethane	EPA 524.3_1.0_2009	1
1,1,1-Trichloroethane	EPA 524.3_1.0_2009	1
1,1,2,2-Tetrachloroethane	EPA 524.3_1.0_2009	1
1,1,2-Trichloroethane	EPA 524.3_1.0_2009	1
1,1-Dichloroethane	EPA 524.3_1.0_2009	1
1,1-Dichloroethylene	EPA 524.3_1.0_2009	1
1,1-Dichloropropene	EPA 524.3_1.0_2009	1
1,2,3-Trichlorobenzene	EPA 524.3_1.0_2009	1
1,2,3-Trichloropropane	EPA 524.3_1.0_2009	1
1,2,4-Trichlorobenzene	EPA 524.3_1.0_2009	1
1,2,4-Trimethylbenzene	EPA 524.3_1.0_2009	1
1,2-Dichlorobenzene	EPA 524.3_1.0_2009	1
1,2-Dichloroethane (Ethylene dichloride)	EPA 524.3_1.0_2009	1
1,2-Dichloropropane	EPA 524.3_1.0_2009	1
1,3,5-Trimethylbenzene	EPA 524.3_1.0_2009	1
1,3-Dichlorobenzene	EPA 524.3_1.0_2009	1
1,3-Dichloropropane	EPA 524.3_1.0_2009	1
1,4-Dichlorobenzene	EPA 524.3_1.0_2009	1
2,2-Dichloropropane	EPA 524.3_1.0_2009	
2-Chlorotoluene	EPA 524.3_1.0_2009	1
4-Chlorotoluene	EPA 524.3_1.0_2009	1
4-Isopropyltoluene (p-Cymene)	EPA 524.3_1.0_2009	1
Benzene	EPA 524.3_1.0_2009	1
Bromobenzene	EPA 524.3_1.0_2009	1
Bromochloromethane	EPA 524.3_1.0_2009	1
Bromodichloromethane	EPA 524.3_1.0_2009	1,8
Bromoform	EPA 524.3_1.0_2009	1,8
Carbon disulfide	EPA 524.3_1.0_2009	1
Carbon tetrachloride	EPA 524.3_1.0_2009	1

Matrix/Analyte	Method	Notes
Drinking Water		
Chlorobenzene	EPA 524.3_1.0_2009	1
Chlorodibromomethane	EPA 524.3_1.0_2009	1,8
Chloroethane (Ethyl chloride)	EPA 524.3_1.0_2009	
Chloroform	EPA 524.3_1.0_2009	1,8
cis-1,2-Dichloroethylene	EPA 524.3_1.0_2009	1
cis-1,3-Dichloropropene	EPA 524.3_1.0_2009	1
Dibromomethane	EPA 524.3_1.0_2009	1
Dichlorodifluoromethane (Freon-12)	EPA 524.3_1.0_2009	1
Diethyl ether	EPA 524.3_1.0_2009	1
Ethylbenzene	EPA 524.3_1.0_2009	1
Hexachlorobutadiene	EPA 524.3_1.0_2009	1
Iodomethane (Methyl iodide)	EPA 524.3_1.0_2009	1
Isopropylbenzene	EPA 524.3_1.0_2009	1
m+p-xylene	EPA 524.3_1.0_2009	1
Methyl bromide (Bromomethane)	EPA 524.3_1.0_2009	1
Methyl chloride (Chloromethane)	EPA 524.3_1.0_2009	1
Methyl tert-butyl ether (MTBE)	EPA 524.3_1.0_2009	1
Methylene chloride (Dichloromethane)	EPA 524.3_1.0_2009	1
Naphthalene	EPA 524.3_1.0_2009	1
n-Butylbenzene	EPA 524.3_1.0_2009	1
n-Propylbenzene	EPA 524.3_1.0_2009	1
o-Xylene	EPA 524.3_1.0_2009	1
sec-Butylbenzene	EPA 524.3_1.0_2009	1
Styrene	EPA 524.3_1.0_2009	1
tert-Butylbenzene	EPA 524.3_1.0_2009	1
Tetrachloroethylene (Perchloroethylene)	EPA 524.3_1.0_2009	1
Toluene	EPA 524.3_1.0_2009	1
Total Trihalomethanes	EPA 524.3_1.0_2009	1,8
trans-1,2-Dichloroethylene	EPA 524.3_1.0_2009	1
trans-1,3-Dichloropropylene	EPA 524.3_1.0_2009	1
Trichloroethene (Trichloroethylene)	EPA 524.3_1.0_2009	1
Trichlorofluoromethane (Freon 11)	EPA 524.3_1.0_2009	1
Vinyl chloride	EPA 524.3_1.0_2009	1,8
Xylene (total)	EPA 524.3_1.0_2009	1
2,4-Dinitrotoluene (2,4-DNT)	EPA 525.2_2_1995	1
2,6-Dinitrotoluene (2,6-DNT)	EPA 525.2_2_1995	1
4,4'-DDD	EPA 525.2_2_1995	1

Matrix/Analyte	Method	Notes
Drinking Water		
4,4'-DDE	EPA 525.2_2_1995	1
4,4'-DDT	EPA 525.2_2_1995	1
Acenaphthylene	EPA 525.2_2_1995	1
Acetochlor	EPA 525.2_2_1995	1
Alachlor	EPA 525.2_2_1995	1,8
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 525.2_2_1995	1
alpha-Chlordane	EPA 525.2_2_1995	1
Anthracene	EPA 525.2_2_1995	1
Atrazine	EPA 525.2_2_1995	1,8
Benzo(a)anthracene	EPA 525.2_2_1995	1
Benzo(a)pyrene	EPA 525.2_2_1995	1
Benzo(g,h,i)perylene	EPA 525.2_2_1995	1
Benzo(k)fluoranthene	EPA 525.2_2_1995	1
Benzo[b]fluoranthene	EPA 525.2_2_1995	1
beta-BHC (beta-Hexachlorocyclohexane)	EPA 525.2_2_1995	1
bis(2-Ethylhexyl) phthalate (DEHP)	EPA 525.2_2_1995	1,8
Bromacil	EPA 525.2_2_1995	1
Butachlor	EPA 525.2_2_1995	1
Butyl benzyl phthalate	EPA 525.2_2_1995	1,8
Chrysene	EPA 525.2_2_1995	1
Cyanazine	EPA 525.2_2_1995	1
delta-BHC	EPA 525.2_2_1995	1
Di(2-ethylhexyl)adipate	EPA 525.2_2_1995	1,8
Diazinon	EPA 525.2_2_1995	1
Dibenz(a,h) anthracene	EPA 525.2_2_1995	1
Diethyl phthalate	EPA 525.2_2_1995	1,8
Dimethyl phthalate	EPA 525.2_2_1995	1,8
Di-n-butyl phthalate	EPA 525.2_2_1995	1,8
EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	EPA 525.2_2_1995	1
Fluorene	EPA 525.2_2_1995	1
gamma-Chlordane	EPA 525.2_2_1995	1
Hexachlorobenzene	EPA 525.2_2_1995	1,8
Hexachlorocyclopentadiene	EPA 525.2_2_1995	1,8
Indeno(1,2,3-cd) pyrene	EPA 525.2_2_1995	1
Metolachlor	EPA 525.2_2_1995	1
Metribuzin	EPA 525.2_2_1995	1
Molinate	EPA 525.2_2_1995	1

Anatek Labs, Inc - Moscow

Matrix/Analyte	Method	Notes
Drinking Water		
Phenanthrene	EPA 525.2_2_1995	1
Prometon	EPA 525.2_2_1995	1
Propachlor (Ramrod)	EPA 525.2_2_1995	1
Pyrene	EPA 525.2_2_1995	1
Simazine	EPA 525.2_2_1995	1,8
Terbacil	EPA 525.2_2_1995	1
trans-Nonachlor	EPA 525.2_2_1995	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	EPA 533	1
1H,1H,2H,2H,-Perfluorodecanesulfonic acid (8:2 FTS)	EPA 533	1
1H,1H,2H,2H,-Perfluorooctansulfonic acid (6:2 FTS)	EPA 533	1
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 533	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 533	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	EPA 533	1
Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 533	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 533	1
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	EPA 533	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 533	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 533	1
Perfluorobutane sulfonic acid (PFBS)	EPA 533	1
Perfluorobutanoic acid (PFBA)	EPA 533	1
Perfluorodecanoic acid (PFDA)	EPA 533	1
Perfluorododecanoic acid (PFDoA)	EPA 533	1
Perfluoroheptane sulfonic acid (PFHpS)	EPA 533	1
Perfluoroheptanoic acid (PFHpA)	EPA 533	1
Perfluorohexane sulfonic acid (PFHxS)	EPA 533	1
Perfluorohexanoic acid (PFHxA)	EPA 533	1
Perfluorononanoic acid (PFNA)	EPA 533	1
Perfluorooctane sulfonic acid (PFOS)	EPA 533	1
Perfluorooctanoic acid (PFOA)	EPA 533	1
Perfluoropentane sulfonic acid (PFPeS)	EPA 533	1
Perfluoropentanoic acid (PFPeA)	EPA 533	1
Perfluoroundecanoic acid (PFUnA)	EPA 533	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	EPA 537.1 revision 2 (3/20)	10
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1 revision 2 (3/20)	10
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	EPA 537.1 revision 2 (3/20)	10
Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 537.1 revision 2 (3/20)	10
N-Ethylperfluorooctane sulfonamido acetic acid (NETFOSAA)	EPA 537.1 revision 2 (3/20)	10

Washington State Department of Ecology

Effective Date: 7/13/2022

Scope of Accreditation Report for Anatek Labs, Inc - Moscow

C595-22b

Laboratory Accreditation Unit

Page 7 of 25

Scope Expires: 3/20/2023

Matrix/Analyte	Method	Notes
Drinking Water		
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	EPA 537.1 revision 2 (3/20)	10
Perfluorobutane sulfonic acid (PFBS)	EPA 537.1 revision 2 (3/20)	10
Perfluorodecanoic acid (PFDA)	EPA 537.1 revision 2 (3/20)	10
Perfluorododecanoic acid (PFDoA)	EPA 537.1 revision 2 (3/20)	10
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 revision 2 (3/20)	10
Perfluorohexane sulfonic acid (PFHxS)	EPA 537.1 revision 2 (3/20)	10
Perfluorohexanoic acid (PFHxA)	EPA 537.1 revision 2 (3/20)	10
Perfluorononanoic acid (PFNA)	EPA 537.1 revision 2 (3/20)	10
Perfluorooctane sulfonic acid (PFOS)	EPA 537.1 revision 2 (3/20)	10
Perfluorooctanoic acid (PFOA)	EPA 537.1 revision 2 (3/20)	10
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 revision 2 (3/20)	10
Perfluorotridecanoic acid (PFTTrDA)	EPA 537.1 revision 2 (3/20)	10
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 revision 2 (3/20)	10
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	EPA 537_1.1_2009	1
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	EPA 537_1.1_2009	1
Perfluorobutane sulfonic acid (PFBS)	EPA 537_1.1_2009	1
Perfluorodecanoic acid (PFDA)	EPA 537_1.1_2009	1
Perfluorododecanoic acid (PFDoA)	EPA 537_1.1_2009	1
Perfluoroheptanoic acid (PFHPA)	EPA 537_1.1_2009	1
Perfluorohexane sulfonic acid (PFHxS)	EPA 537_1.1_2009	1
Perfluorohexanoic acid (PFHxA)	EPA 537_1.1_2009	1
Perfluorononanoic acid (PFNA)	EPA 537_1.1_2009	1
Perfluorooctane sulfonic acid (PFOS)	EPA 537_1.1_2009	1
Perfluorooctanoic acid (PFOA)	EPA 537_1.1_2009	1
Perfluorotetradecanoic acid (PFTeDA)	EPA 537_1.1_2009	1
Perfluorotridecanoic acid (PFTTrDA)	EPA 537_1.1_2009	1
Perfluoroundecanoic acid (PFUnA)	EPA 537_1.1_2009	1
Endothall	EPA 548.1_1_1992	1,8
Total coli/E.coli - detect	SM 9223 B Colilert 18® (PA)	8
Non-Potable Water		
n-Hexane Extractable Material (O&G)	EPA 1664A_1_1999	1
n-Hexane Extractable Material (O&G)	EPA 1664B -10 (HEM)	1
Turbidity	EPA 180.1_2_1993	1
Chloride	EPA 300.0_2.1_1993	1
Fluoride	EPA 300.0_2.1_1993	1
Nitrate	EPA 300.0_2.1_1993	1
Nitrate + Nitrite	EPA 300.0_2.1_1993	1

Anatek Labs, Inc - Moscow

Matrix/Analyte	Method	Notes
Non-Potable Water		
Nitrite	EPA 300.0_2.1_1993	1
Orthophosphate	EPA 300.0_2.1_1993	1
Sulfate	EPA 300.0_2.1_1993	1
Perchlorate	EPA 331.0_1.0_2005	7
Cyanide, Total	EPA 335.4_1_1993	1
Phenolics, Total	EPA 420.1_1978	1
Perchlorate	EPA 6850-07	1
Alkalinity	SM 2320 B-2011	1
Hardness (calc.)	SM 2340 B-2011	1
Specific Conductance	SM 2510 B-2011	1
Solids, Total Dissolved	SM 2540 C-2011	1
Solids, Total Suspended	SM 2540 D-2011	1,9
Cyanide, Weak Acid Dissociable	SM 4500 CN ⁻ I-2011	
Cyanides, Amenable to Chlorination	SM 4500-CN ⁻ G-2011	
pH	SM 4500-H+ B-2011	1,6
Ammonia	SM 4500-NH3 G-2011	1
Nitrate	SM 4500-NO3 ⁻ F-2011	1
Nitrate + Nitrite	SM 4500-NO3 ⁻ F-2011	1
Nitrite	SM 4500-NO3 ⁻ F-2011	1
Nitrogen, Total Kjeldahl	SM 4500-Norg C-2011	1,9
Orthophosphate	SM 4500-P F-2011	1
Phosphorus, total	SM 4500-P F-2011	1
Sulfide	SM 4500-S2 ⁻ F-2011	9
Total Organic Carbon	SM 5310 B-2011	1
Phenolics, Total	SM 5530 D-2010	1
Mercury	EPA 1631 E-02	1
Aluminum	EPA 200.7_4.4_1994	1
Barium	EPA 200.7_4.4_1994	1
Beryllium	EPA 200.7_4.4_1994	1
Boron	EPA 200.7_4.4_1994	1
Cadmium	EPA 200.7_4.4_1994	1
Calcium	EPA 200.7_4.4_1994	1
Chromium	EPA 200.7_4.4_1994	1
Cobalt	EPA 200.7_4.4_1994	1
Copper	EPA 200.7_4.4_1994	1
Iron	EPA 200.7_4.4_1994	1
Lead	EPA 200.7_4.4_1994	1

Anatek Labs, Inc - Moscow

Matrix/Analyte	Method	Notes
Non-Potable Water		
Magnesium	EPA 200.7_4.4_1994	1
Manganese	EPA 200.7_4.4_1994	1
Molybdenum	EPA 200.7_4.4_1994	1
Nickel	EPA 200.7_4.4_1994	1
Sodium	EPA 200.7_4.4_1994	1
Tin	EPA 200.7_4.4_1994	1
Titanium	EPA 200.7_4.4_1994	1
Vanadium	EPA 200.7_4.4_1994	1
Zinc	EPA 200.7_4.4_1994	1
Aluminum	EPA 200.8_5.4_1994	1
Antimony	EPA 200.8_5.4_1994	1
Arsenic	EPA 200.8_5.4_1994	1
Barium	EPA 200.8_5.4_1994	1
Beryllium	EPA 200.8_5.4_1994	1
Cadmium	EPA 200.8_5.4_1994	1
Calcium	EPA 200.8_5.4_1994	
Chromium	EPA 200.8_5.4_1994	1
Cobalt	EPA 200.8_5.4_1994	1
Copper	EPA 200.8_5.4_1994	1
Iron	EPA 200.8_5.4_1994	
Lead	EPA 200.8_5.4_1994	1
Magnesium	EPA 200.8_5.4_1994	
Manganese	EPA 200.8_5.4_1994	1
Mercury	EPA 200.8_5.4_1994	1
Molybdenum	EPA 200.8_5.4_1994	1
Nickel	EPA 200.8_5.4_1994	1
Potassium	EPA 200.8_5.4_1994	
Selenium	EPA 200.8_5.4_1994	1
Silver	EPA 200.8_5.4_1994	1
Sodium	EPA 200.8_5.4_1994	
Strontium	EPA 200.8_5.4_1994	
Thallium	EPA 200.8_5.4_1994	1
Tin	EPA 200.8_5.4_1994	
Titanium	EPA 200.8_5.4_1994	
Total Uranium	EPA 200.8_5.4_1994	1
Vanadium	EPA 200.8_5.4_1994	1
Zinc	EPA 200.8_5.4_1994	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
Mercury	EPA 245.7_2005	1
4,4'-DDD	EPA 608.3	1
4,4'-DDE	EPA 608.3	1
4,4'-DDT	EPA 608.3	1
Aldrin	EPA 608.3	1
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608.3	1
Aroclor-1016 (PCB-1016)	EPA 608.3	1
Aroclor-1221 (PCB-1221)	EPA 608.3	1
Aroclor-1232 (PCB-1232)	EPA 608.3	1
Aroclor-1242 (PCB-1242)	EPA 608.3	1
Aroclor-1248 (PCB-1248)	EPA 608.3	1
Aroclor-1254 (PCB-1254)	EPA 608.3	1
Aroclor-1260 (PCB-1260)	EPA 608.3	1
beta-BHC (beta-Hexachlorocyclohexane)	EPA 608.3	1
Chlordane (tech.)	EPA 608.3	1
delta-BHC	EPA 608.3	1
Dieldrin	EPA 608.3	1
Endosulfan I	EPA 608.3	1
Endosulfan II	EPA 608.3	1
Endosulfan sulfate	EPA 608.3	1
Endrin	EPA 608.3	1
Endrin aldehyde	EPA 608.3	1
Endrin ketone	EPA 608.3	1
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608.3	1
Heptachlor	EPA 608.3	1
Heptachlor epoxide	EPA 608.3	1
Methoxychlor	EPA 608.3	1
Toxaphene (Chlorinated camphene)	EPA 608.3	1
1,1,1,2-Tetrachloroethane	EPA 624.1	
1,1,1-Trichloroethane	EPA 624.1	1
1,1,2,2-Tetrachloroethane	EPA 624.1	1
1,1,2-Trichloroethane	EPA 624.1	1
1,1-Dichloroethane	EPA 624.1	1
1,1-Dichloroethylene	EPA 624.1	1
1,1-Dichloropropene	EPA 624.1	1
1,2,3-Trichlorobenzene	EPA 624.1	1
1,2,3-Trichloropropane	EPA 624.1	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
1,2,4-Trimethylbenzene	EPA 624.1	1
1,2-Dibromo-3-chloropropane (DBCP)	EPA 624.1	1
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 624.1	1
1,2-Dichlorobenzene	EPA 624.1	1
1,2-Dichloroethane (Ethylene dichloride)	EPA 624.1	1
1,2-Dichloropropane	EPA 624.1	1
1,3,5-Trimethylbenzene	EPA 624.1	1
1,3-Dichlorobenzene	EPA 624.1	1
1,3-Dichloropropane	EPA 624.1	1
1,4-Dichlorobenzene	EPA 624.1	1
2,2-Dichloropropane	EPA 624.1	1
2-Butanone (Methyl ethyl ketone, MEK)	EPA 624.1	
2-Chloroethyl vinyl ether	EPA 624.1	1
2-Chlorotoluene	EPA 624.1	1
2-Hexanone	EPA 624.1	
4-Chlorotoluene	EPA 624.1	1
4-Isopropyltoluene (p-Cymene)	EPA 624.1	1
4-Methyl-2-pentanone (MIBK)	EPA 624.1	
Acrolein (Propenal)	EPA 624.1	1
Acrylonitrile	EPA 624.1	1
Benzene	EPA 624.1	1
Bromobenzene	EPA 624.1	1
Bromochloromethane	EPA 624.1	1
Bromodichloromethane	EPA 624.1	1
Bromoform	EPA 624.1	1
Carbon disulfide	EPA 624.1	
Carbon tetrachloride	EPA 624.1	1
Chlorobenzene	EPA 624.1	1
Chlorodibromomethane	EPA 624.1	1
Chloroethane (Ethyl chloride)	EPA 624.1	1
Chloroform	EPA 624.1	1
cis-1,2-Dichloroethylene	EPA 624.1	1
cis-1,3-Dichloropropene	EPA 624.1	1
Dibromomethane	EPA 624.1	1
Diethyl ether	EPA 624.1	1
Ethylbenzene	EPA 624.1	
Iodomethane (Methyl iodide)	EPA 624.1	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
Isopropylbenzene	EPA 624.1	1
m+p-xylene	EPA 624.1	1
Methyl bromide (Bromomethane)	EPA 624.1	1
Methyl chloride (Chloromethane)	EPA 624.1	1
Methyl tert-butyl ether (MTBE)	EPA 624.1	1
Methylene chloride (Dichloromethane)	EPA 624.1	1
n-Butylbenzene	EPA 624.1	1
n-Propylbenzene	EPA 624.1	1
sec-Butylbenzene	EPA 624.1	1
Styrene	EPA 624.1	1
tert-Butylbenzene	EPA 624.1	
Tetrachloroethylene (Perchloroethylene)	EPA 624.1	1
Toluene	EPA 624.1	1
trans-1,2-Dichloroethylene	EPA 624.1	1
trans-1,3-Dichloropropylene	EPA 624.1	1
trans-1,4-Dichloro-2-butene	EPA 624.1	1
Trichloroethene (Trichloroethylene)	EPA 624.1	1
Trichlorofluoromethane (Freon 11)	EPA 624.1	1
Vinyl chloride	EPA 624.1	1
Xylene (total)	EPA 624.1	1
1,2,4-Trichlorobenzene	EPA 625.1	1
1,2-Dinitrobenzene	EPA 625.1	
1,2-Diphenylhydrazine	EPA 625.1	1
1,3-Dinitrobenzene (1,3-DNB)	EPA 625.1	
1-Methylnaphthalene	EPA 625.1	
2,3,4,6-Tetrachlorophenol	EPA 625.1	1
2,3,5,6-Tetrachlorophenol	EPA 625.1	
2,4,5-Trichlorophenol	EPA 625.1	1
2,4,6-Trichlorophenol	EPA 625.1	1
2,4-Dichlorophenol	EPA 625.1	1
2,4-Dimethylphenol	EPA 625.1	1
2,4-Dinitrophenol	EPA 625.1	1
2,4-Dinitrotoluene (2,4-DNT)	EPA 625.1	1
2,6-Dinitrotoluene (2,6-DNT)	EPA 625.1	1
2-Chloronaphthalene	EPA 625.1	1
2-Chlorophenol	EPA 625.1	1
2-Methylnaphthalene	EPA 625.1	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
2-Methylphenol (o-Cresol)	EPA 625.1	
2-Nitroaniline	EPA 625.1	1
2-Nitrophenol	EPA 625.1	1
3,3'-Dichlorobenzidine	EPA 625.1	1
3-Nitroaniline	EPA 625.1	1
4,6-Dinitro-2-methylphenol	EPA 625.1	1
4-Bromophenyl phenyl ether (BDE-3)	EPA 625.1	1
4-Chloro-3-methylphenol	EPA 625.1	1
4-Chloroaniline	EPA 625.1	1
4-Chlorophenyl phenylether	EPA 625.1	1
4-Methylphenol (p-Cresol)	EPA 625.1	
4-Nitroaniline	EPA 625.1	1
4-Nitrophenol	EPA 625.1	1
Acenaphthene	EPA 625.1	1
Acenaphthylene	EPA 625.1	1
Aniline	EPA 625.1	
Anthracene	EPA 625.1	1
Benzidine	EPA 625.1	1
Benzo(a)anthracene	EPA 625.1	1
Benzo(a)pyrene	EPA 625.1	1
Benzo(g,h,i)perylene	EPA 625.1	1
Benzo(k)fluoranthene	EPA 625.1	1
Benzo[b]fluoranthene	EPA 625.1	1
Benzyl alcohol	EPA 625.1	1
bis(2-Chloroethoxy)methane	EPA 625.1	1
bis(2-Chloroethyl) ether	EPA 625.1	1
bis(2-Chloroisopropyl) ether	EPA 625.1	1
bis(2-Ethylhexyl) phthalate (DEHP)	EPA 625.1	1
Butyl benzyl phthalate	EPA 625.1	1
Carbazole	EPA 625.1	
Chrysene	EPA 625.1	1
Dibenz(a,h) anthracene	EPA 625.1	1
Diethyl phthalate	EPA 625.1	1
Dimethyl phthalate	EPA 625.1	1
Di-n-butyl phthalate	EPA 625.1	1
Di-n-octyl phthalate	EPA 625.1	1
Fluoranthene	EPA 625.1	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
Fluorene	EPA 625.1	1
Hexachlorobenzene	EPA 625.1	1
Hexachlorobutadiene	EPA 625.1	1
Hexachlorocyclopentadiene	EPA 625.1	1
Hexachloroethane	EPA 625.1	1
Indeno(1,2,3-cd) pyrene	EPA 625.1	1
Isophorone	EPA 625.1	1
m+p Cresol	EPA 625.1	
Naphthalene	EPA 625.1	1
Nitrobenzene	EPA 625.1	1
N-Nitrosodimethylamine	EPA 625.1	1
N-Nitroso-di-n-propylamine	EPA 625.1	1
N-Nitrosodiphenylamine	EPA 625.1	1
Pentachlorophenol	EPA 625.1	1
Phenanthrene	EPA 625.1	1
Phenol	EPA 625.1	1
Pyrene	EPA 625.1	1
Pyridine	EPA 625.1	
Fecal coliform-count	SM 9221 B+E1+C (LTB/BGB/EC-MPN)	
Total coliforms-count	SM 9221 B+E1+C (LTB/BGB/EC-MPN)	
E.coli-count	SM 9221 B+F+C (LTB/BGB/EC Mug-MPN)	
Total coliforms-count	SM 9221 B+F+C (LTB/BGB/EC Mug-MPN)	
Solid and Chemical Materials		
Nitrate	EPA 300.0_2.1_1993	
Cyanide, Total	EPA 335.4_1_1993	
Phenolics, Total	EPA 420.1_1978	4
Cyanide, Total	EPA 9012 B-04	
Cyanide, Total	SM 4500-CN ⁻ E-2011	
Cyanides, Amenable to Chlorination	SM 4500-CN ⁻ G-2011	4,9
Ammonia	SM 4500-NH3 G-2011	
Nitrogen, Total Kjeldahl	SM 4500-Norg C-2011	
Phosphorus, total	SM 4500-P F-2011	
Sulfide	SM 4500-S2 ⁻ F-2011	9
Aluminum	EPA 6010D_(7/14)	
Antimony	EPA 6010D_(7/14)	4,9
Barium	EPA 6010D_(7/14)	
Beryllium	EPA 6010D_(7/14)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Cadmium	EPA 6010D_(7/14)	
Calcium	EPA 6010D_(7/14)	
Chromium	EPA 6010D_(7/14)	
Cobalt	EPA 6010D_(7/14)	4
Copper	EPA 6010D_(7/14)	
Iron	EPA 6010D_(7/14)	
Lead	EPA 6010D_(7/14)	4
Magnesium	EPA 6010D_(7/14)	
Manganese	EPA 6010D_(7/14)	
Molybdenum	EPA 6010D_(7/14)	
Nickel	EPA 6010D_(7/14)	
Sodium	EPA 6010D_(7/14)	
Strontium	EPA 6010D_(7/14)	4
Thallium	EPA 6010D_(7/14)	4
Titanium	EPA 6010D_(7/14)	4
Vanadium	EPA 6010D_(7/14)	
Zinc	EPA 6010D_(7/14)	
Aluminum	EPA 6020B_(7/14)	
Antimony	EPA 6020B_(7/14)	
Arsenic	EPA 6020B_(7/14)	
Barium	EPA 6020B_(7/14)	
Beryllium	EPA 6020B_(7/14)	
Boron	EPA 6020B_(7/14)	
Cadmium	EPA 6020B_(7/14)	
Calcium	EPA 6020B_(7/14)	
Chromium	EPA 6020B_(7/14)	
Cobalt	EPA 6020B_(7/14)	
Copper	EPA 6020B_(7/14)	
Iron	EPA 6020B_(7/14)	
Lead	EPA 6020B_(7/14)	
Magnesium	EPA 6020B_(7/14)	
Manganese	EPA 6020B_(7/14)	
Mercury	EPA 6020B_(7/14)	
Molybdenum	EPA 6020B_(7/14)	
Nickel	EPA 6020B_(7/14)	
Potassium	EPA 6020B_(7/14)	
Selenium	EPA 6020B_(7/14)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Silver	EPA 6020B_(7/14)	
Sodium	EPA 6020B_(7/14)	
Strontium	EPA 6020B_(7/14)	
Thallium	EPA 6020B_(7/14)	
Titanium	EPA 6020B_(7/14)	
Vanadium	EPA 6020B_(7/14)	
Zinc	EPA 6020B_(7/14)	
Methamphetamine	ALI SOP 602	5
4,4'-DDD	EPA 8081B_(2/07)	
4,4'-DDE	EPA 8081B_(2/07)	
4,4'-DDT	EPA 8081B_(2/07)	
Alachlor	EPA 8081B_(2/07)	
Aldrin	EPA 8081B_(2/07)	
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B_(2/07)	
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B_(2/07)	
Chlordane (tech.)	EPA 8081B_(2/07)	
Dacthal (DCPA)	EPA 8081B_(2/07)	
delta-BHC	EPA 8081B_(2/07)	
Diallate	EPA 8081B_(2/07)	
Dieldrin	EPA 8081B_(2/07)	
Endosulfan I	EPA 8081B_(2/07)	
Endosulfan II	EPA 8081B_(2/07)	
Endosulfan sulfate	EPA 8081B_(2/07)	
Endrin	EPA 8081B_(2/07)	
Endrin aldehyde	EPA 8081B_(2/07)	
Endrin ketone	EPA 8081B_(2/07)	
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081B_(2/07)	
Heptachlor	EPA 8081B_(2/07)	
Heptachlor epoxide	EPA 8081B_(2/07)	
Isodrin	EPA 8081B_(2/07)	
Methoxychlor	EPA 8081B_(2/07)	
Toxaphene (Chlorinated camphene)	EPA 8081B_(2/07)	
Aroclor-1016 (PCB-1016)	EPA 8082A_(2/07)	
Aroclor-1221 (PCB-1221)	EPA 8082A_(2/07)	
Aroclor-1232 (PCB-1232)	EPA 8082A_(2/07)	
Aroclor-1242 (PCB-1242)	EPA 8082A_(2/07)	
Aroclor-1248 (PCB-1248)	EPA 8082A_(2/07)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Aroclor-1254 (PCB-1254)	EPA 8082A_(2/07)	
Aroclor-1260 (PCB-1260)	EPA 8082A_(2/07)	
Azinphos-ethyl (Ethyl guthion)	EPA 8141B_2_(2/07)	
Azinphos-methyl (Guthion)	EPA 8141B_2_(2/07)	
Bolstar (Sulprofos)	EPA 8141B_2_(2/07)	
Carbophenothion	EPA 8141B_2_(2/07)	
Chlorfenvinphos	EPA 8141B_2_(2/07)	
Chlorpyrifos	EPA 8141B_2_(2/07)	
Coumaphos	EPA 8141B_2_(2/07)	
Demeton	EPA 8141B_2_(2/07)	
Demeton-o	EPA 8141B_2_(2/07)	
Demeton-s	EPA 8141B_2_(2/07)	
Diazinon	EPA 8141B_2_(2/07)	
Dichlorovos (DDVP, Dichlorvos)	EPA 8141B_2_(2/07)	
Dimethoate	EPA 8141B_2_(2/07)	
Dioxathion	EPA 8141B_2_(2/07)	
Disulfoton	EPA 8141B_2_(2/07)	
EPN	EPA 8141B_2_(2/07)	
Ethion	EPA 8141B_2_(2/07)	4
Ethoprop	EPA 8141B_2_(2/07)	
Famphur	EPA 8141B_2_(2/07)	
Fensulfothion	EPA 8141B_2_(2/07)	
Fenthion	EPA 8141B_2_(2/07)	
Hexamethylphosphoramide (HMPA)	EPA 8141B_2_(2/07)	
Malathion	EPA 8141B_2_(2/07)	
Merphos	EPA 8141B_2_(2/07)	
Methyl parathion (Parathion, methyl)	EPA 8141B_2_(2/07)	
Mevinphos	EPA 8141B_2_(2/07)	
Monocrotophos	EPA 8141B_2_(2/07)	4
Naled	EPA 8141B_2_(2/07)	
Parathion, ethyl	EPA 8141B_2_(2/07)	
Phorate	EPA 8141B_2_(2/07)	
Phosmet (Imidan)	EPA 8141B_2_(2/07)	4
Ronnel	EPA 8141B_2_(2/07)	
Sulfotepp	EPA 8141B_2_(2/07)	
Terbufos	EPA 8141B_2_(2/07)	
Tetrachlorvinphos (Stirophos, Gardona)	EPA 8141B_2_(2/07)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Tetraethyl pyrophosphate (TEPP)	EPA 8141B_(2/07)	
Tokuthion (Prothiophos)	EPA 8141B_(2/07)	
Trichloronate	EPA 8141B_(2/07)	
2,4,5-T	EPA 8151A_(1/98)	
2,4-D	EPA 8151A_(1/98)	
2,4-DB	EPA 8151A_(1/98)	
5-Hydroxydicamba	EPA 8151A_(1/98)	
Acifluorfen	EPA 8151A_(1/98)	
Bentazon	EPA 8151A_(1/98)	
Chloramben	EPA 8151A_(1/98)	
Dacthal (DCPA)	EPA 8151A_(1/98)	
Dalapon	EPA 8151A_(1/98)	
DCPA di acid degradate	EPA 8151A_(1/98)	
Dicamba	EPA 8151A_(1/98)	
Dichloroprop (Dichlorprop)	EPA 8151A_(1/98)	
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8151A_(1/98)	
MCPA	EPA 8151A_(1/98)	
MCPP	EPA 8151A_(1/98)	
Pentachlorophenol	EPA 8151A_(1/98)	
Picloram	EPA 8151A_(1/98)	
Silvex (2,4,5-TP)	EPA 8151A_(1/98)	
1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8330B_(10/06)	4
1,3-Dinitrobenzene (1,3-DNB)	EPA 8330B_(10/06)	4
2,4,6-Trinitrobenzene	EPA 8330B_(10/06)	4
2,4,6-Trinitrotoluene (2,4,6-TNT)	EPA 8330B_(10/06)	4
2,4-Dinitrotoluene (2,4-DNT)	EPA 8330B_(10/06)	4
2,6-Dinitrotoluene (2,6-DNT)	EPA 8330B_(10/06)	4
2-Amino-4,6-dinitrotoluene (2-am-dnt)	EPA 8330B_(10/06)	4
2-Nitrotoluene	EPA 8330B_(10/06)	4
3-Nitrotoluene	EPA 8330B_(10/06)	4
4-Amino-2,6-dinitrotoluene (4-am-dnt)	EPA 8330B_(10/06)	4
4-Nitrotoluene	EPA 8330B_(10/06)	4
Methyl-2,4,6-trinitrophenylnitramine (tetryl)	EPA 8330B_(10/06)	4
Nitrobenzene	EPA 8330B_(10/06)	4
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	EPA 8330B_(10/06)	4
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	EPA 8330B_(10/06)	4
Tetryl (methyl-2,4,6-trinitrophenylnitramine)	EPA 8330B_(10/06)	4

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
1,1,1,2-Tetrachloroethane	EPA 8260D_4_(6/18)	
1,1,1-Trichloroethane	EPA 8260D_4_(6/18)	
1,1,2,2-Tetrachloroethane	EPA 8260D_4_(6/18)	
1,1,2-Trichloroethane	EPA 8260D_4_(6/18)	
1,1-Dichloroethane	EPA 8260D_4_(6/18)	
1,1-Dichloroethylene	EPA 8260D_4_(6/18)	
1,1-Dichloropropene	EPA 8260D_4_(6/18)	
1,2,3-Trichlorobenzene	EPA 8260D_4_(6/18)	
1,2,3-Trichloropropane	EPA 8260D_4_(6/18)	
1,2,4-Trichlorobenzene	EPA 8260D_4_(6/18)	
1,2,4-Trimethylbenzene	EPA 8260D_4_(6/18)	
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D_4_(6/18)	
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D_4_(6/18)	
1,2-Dichlorobenzene	EPA 8260D_4_(6/18)	
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D_4_(6/18)	
1,2-Dichloropropane	EPA 8260D_4_(6/18)	
1,3,5-Trimethylbenzene	EPA 8260D_4_(6/18)	
1,3-Dichlorobenzene	EPA 8260D_4_(6/18)	
1,3-Dichloropropane	EPA 8260D_4_(6/18)	
1,4-Dichlorobenzene	EPA 8260D_4_(6/18)	
2,2-Dichloropropane	EPA 8260D_4_(6/18)	
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D_4_(6/18)	
2-Chlorotoluene	EPA 8260D_4_(6/18)	
2-Hexanone	EPA 8260D_4_(6/18)	
4-Chlorotoluene	EPA 8260D_4_(6/18)	
4-Isopropyltoluene (p-Cymene)	EPA 8260D_4_(6/18)	
4-Methyl-2-pentanone (MIBK)	EPA 8260D_4_(6/18)	
Acetone	EPA 8260D_4_(6/18)	
Acrylonitrile	EPA 8260D_4_(6/18)	
Benzene	EPA 8260D_4_(6/18)	
Bromobenzene	EPA 8260D_4_(6/18)	
Bromochloromethane	EPA 8260D_4_(6/18)	
Bromodichloromethane	EPA 8260D_4_(6/18)	
Bromoform	EPA 8260D_4_(6/18)	
Carbon disulfide	EPA 8260D_4_(6/18)	
Carbon tetrachloride	EPA 8260D_4_(6/18)	
Chlorobenzene	EPA 8260D_4_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Chlorodibromomethane	EPA 8260D_4_(6/18)	
Chlorodifluoromethane (Freon-22)	EPA 8260D_4_(6/18)	
Chloroethane (Ethyl chloride)	EPA 8260D_4_(6/18)	
Chloroform	EPA 8260D_4_(6/18)	
cis-1,2-Dichloroethylene	EPA 8260D_4_(6/18)	
cis-1,3-Dichloropropene	EPA 8260D_4_(6/18)	
Dibromochloropropane	EPA 8260D_4_(6/18)	
Dibromomethane	EPA 8260D_4_(6/18)	
Dichlorodifluoromethane (Freon-12)	EPA 8260D_4_(6/18)	
Diethyl ether	EPA 8260D_4_(6/18)	
Ethylbenzene	EPA 8260D_4_(6/18)	
Hexachlorobutadiene	EPA 8260D_4_(6/18)	
Iodomethane (Methyl iodide)	EPA 8260D_4_(6/18)	
Iodomethane (Methyl iodide)	EPA 8260D_4_(6/18)	
Isopropylbenzene	EPA 8260D_4_(6/18)	
m+p-xylene	EPA 8260D_4_(6/18)	
Methyl bromide (Bromomethane)	EPA 8260D_4_(6/18)	
Methyl chloride (Chloromethane)	EPA 8260D_4_(6/18)	
Methyl tert-butyl ether (MTBE)	EPA 8260D_4_(6/18)	
Methylene chloride (Dichloromethane)	EPA 8260D_4_(6/18)	
Naphthalene	EPA 8260D_4_(6/18)	
n-Butylbenzene	EPA 8260D_4_(6/18)	
Nitrobenzene	EPA 8260D_4_(6/18)	
n-Nitroso-di-n-butylamine	EPA 8260D_4_(6/18)	
n-Propylbenzene	EPA 8260D_4_(6/18)	
o-Xylene	EPA 8260D_4_(6/18)	
p-Xylene	EPA 8260D_4_(6/18)	
Pyridine	EPA 8260D_4_(6/18)	
sec-Butylbenzene	EPA 8260D_4_(6/18)	
Styrene	EPA 8260D_4_(6/18)	
tert-Butylbenzene	EPA 8260D_4_(6/18)	
Tetrachloroethylene (Perchloroethylene)	EPA 8260D_4_(6/18)	
Toluene	EPA 8260D_4_(6/18)	
Total Trihalomethanes	EPA 8260D_4_(6/18)	
Total Volatile Petroleum Hydrocarbons (VPH)	EPA 8260D_4_(6/18)	
trans-1,2-Dichloroethylene	EPA 8260D_4_(6/18)	
trans-1,3-Dichloropropylene	EPA 8260D_4_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
trans-1,4-Dichloro-2-butene	EPA 8260D_4_(6/18)	
Trichloroethene (Trichloroethylene)	EPA 8260D_4_(6/18)	
Trichlorofluoromethane (Freon 11)	EPA 8260D_4_(6/18)	
Vinyl chloride	EPA 8260D_4_(6/18)	
Xylene (total)	EPA 8260D_4_(6/18)	
1,2,4-Trichlorobenzene	EPA 8270E_6_(6/18)	
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8270E_6_(6/18)	
1,2-Dichlorobenzene	EPA 8270E_6_(6/18)	
1,2-Dinitrobenzene	EPA 8270E_6_(6/18)	
1,2-Diphenylhydrazine	EPA 8270E_6_(6/18)	
1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270E_6_(6/18)	
1,3-Dichlorobenzene	EPA 8270E_6_(6/18)	
1,3-Dinitrobenzene (1,3-DNB)	EPA 8270E_6_(6/18)	
1,4-Dichlorobenzene	EPA 8270E_6_(6/18)	
1,4-Dinitrobenzene	EPA 8270E_6_(6/18)	
1-Methylnaphthalene	EPA 8270E_6_(6/18)	
2,3,4,6-Tetrachlorophenol	EPA 8270E_6_(6/18)	
2,3,5,6-Tetrachlorophenol	EPA 8270E_6_(6/18)	
2,4,5-Trichlorophenol	EPA 8270E_6_(6/18)	
2,4,6-Trichlorophenol	EPA 8270E_6_(6/18)	
2,4-Dichlorophenol	EPA 8270E_6_(6/18)	
2,4-Dimethylphenol	EPA 8270E_6_(6/18)	
2,4-Dinitrophenol	EPA 8270E_6_(6/18)	
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E_6_(6/18)	
2-Chloronaphthalene	EPA 8270E_6_(6/18)	
2-Chlorophenol	EPA 8270E_6_(6/18)	
2-Methylnaphthalene	EPA 8270E_6_(6/18)	
2-Methylphenol (o-Cresol)	EPA 8270E_6_(6/18)	
2-Naphthylamine	EPA 8270E_6_(6/18)	
2-Nitroaniline	EPA 8270E_6_(6/18)	
2-Nitrophenol	EPA 8270E_6_(6/18)	
3,3'-Dichlorobenzidine	EPA 8270E_6_(6/18)	
3-Nitroaniline	EPA 8270E_6_(6/18)	
4,6-Dinitro-2-methylphenol	EPA 8270E_6_(6/18)	
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E_6_(6/18)	
4-Chloro-3-methylphenol	EPA 8270E_6_(6/18)	
4-Chloroaniline	EPA 8270E_6_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
4-Chlorophenyl phenylether	EPA 8270E_6_(6/18)	
4-Methylphenol (p-Cresol)	EPA 8270E_6_(6/18)	
4-Nitroaniline	EPA 8270E_6_(6/18)	
4-Nitrophenol	EPA 8270E_6_(6/18)	
Acenaphthene	EPA 8270E_6_(6/18)	
Acenaphthylene	EPA 8270E_6_(6/18)	
Aniline	EPA 8270E_6_(6/18)	
Anthracene	EPA 8270E_6_(6/18)	
Azinphos-methyl (Guthion)	EPA 8270E_6_(6/18)	3
Benzidine	EPA 8270E_6_(6/18)	
Benzo(a)anthracene	EPA 8270E_6_(6/18)	
Benzo(a)pyrene	EPA 8270E_6_(6/18)	
Benzo(g,h,i)perylene	EPA 8270E_6_(6/18)	
Benzo(k)fluoranthene	EPA 8270E_6_(6/18)	
Benzo[b]fluoranthene	EPA 8270E_6_(6/18)	
Benzyl alcohol	EPA 8270E_6_(6/18)	
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8270E_6_(6/18)	3
bis(2-Chloroethoxy)methane	EPA 8270E_6_(6/18)	
bis(2-Chloroethyl) ether	EPA 8270E_6_(6/18)	
bis(2-Chloroisopropyl) ether	EPA 8270E_6_(6/18)	
Butyl benzyl phthalate	EPA 8270E_6_(6/18)	
Carbazole	EPA 8270E_6_(6/18)	
Carbophenothion	EPA 8270E_6_(6/18)	
Chlorpyrifos	EPA 8270E_6_(6/18)	3
Chrysene	EPA 8270E_6_(6/18)	
Coumaphos	EPA 8270E_6_(6/18)	3
Demeton-s	EPA 8270E_6_(6/18)	
Di(2-ethylhexyl)adipate	EPA 8270E_6_(6/18)	
Di(2-ethylhexyl)phthalate	EPA 8270E_6_(6/18)	
Dibenz(a,h) anthracene	EPA 8270E_6_(6/18)	
Dibenzofuran	EPA 8270E_6_(6/18)	
Dichlorovos (DDVP, Dichlorvos)	EPA 8270E_6_(6/18)	3
Diethyl phthalate	EPA 8270E_6_(6/18)	
Dimethoate	EPA 8270E_6_(6/18)	3
Dimethyl phthalate	EPA 8270E_6_(6/18)	
Di-n-butyl phthalate	EPA 8270E_6_(6/18)	
Di-n-octyl phthalate	EPA 8270E_6_(6/18)	

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Dioxathion	EPA 8270E_6_(6/18)	3,4
Disulfoton	EPA 8270E_6_(6/18)	3
EPN	EPA 8270E_6_(6/18)	
Famphur	EPA 8270E_6_(6/18)	
Fensulfothion	EPA 8270E_6_(6/18)	3
Fenthion	EPA 8270E_6_(6/18)	3
Fluoranthene	EPA 8270E_6_(6/18)	
Fluorene	EPA 8270E_6_(6/18)	
Hexachlorobenzene	EPA 8270E_6_(6/18)	
Hexachlorobutadiene	EPA 8270E_6_(6/18)	
Hexachlorocyclopentadiene	EPA 8270E_6_(6/18)	
Hexachloroethane	EPA 8270E_6_(6/18)	
Indeno(1,2,3-cd) pyrene	EPA 8270E_6_(6/18)	
Isophorone	EPA 8270E_6_(6/18)	
m,p Cresol	EPA 8270E_6_(6/18)	
Malathion	EPA 8270E_6_(6/18)	3
Methyl parathion (Parathion, methyl)	EPA 8270E_6_(6/18)	3
Mevinphos	EPA 8270E_6_(6/18)	3
Monocrotophos	EPA 8270E_6_(6/18)	3,4
Naled	EPA 8270E_6_(6/18)	3
Naphthalene	EPA 8270E_6_(6/18)	
Nitrobenzene	EPA 8270E_6_(6/18)	
n-Nitrosodimethylamine	EPA 8270E_6_(6/18)	
n-Nitroso-di-n-butylamine	EPA 8270E_6_(6/18)	
N-Nitroso-di-n-propylamine	EPA 8270E_6_(6/18)	
n-Nitrosodiphenylamine	EPA 8270E_6_(6/18)	
Parathion	EPA 8270E_6_(6/18)	3
Pentachlorophenol	EPA 8270E_6_(6/18)	
Phenanthrene	EPA 8270E_6_(6/18)	
Phenol	EPA 8270E_6_(6/18)	
Phorate	EPA 8270E_6_(6/18)	3
Phosmet (Imidan)	EPA 8270E_6_(6/18)	3,4
Pyrene	EPA 8270E_6_(6/18)	
Pyridine	EPA 8270E_6_(6/18)	
Sulfotepp	EPA 8270E_6_(6/18)	3
Terbufos	EPA 8270E_6_(6/18)	3
Tetrachlorvinphos (Stirophos, Gardona)	EPA 8270E_6_(6/18)	3

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Diesel range organics (DRO)	WDOE NWTPH-Dx_(1997)	2
Gasoline range organics (GRO)	WDOE NWTPH-Gx_(1997)	2

Accredited Parameter Note Detail

(1) Accreditation is based in part on recognition of Florida Department of Health NELAP accreditation. (2) Analytical Methods for Petroleum Hydrocarbons, Publication No. ECY 97-602, June 1997. (3) Tributyl phosphate used for internal standard and normal 8270 surrogates used. (4) Accreditation is limited to water only. (5) Anatek Labs, Inc. SOP for determination of methamphetamine by HPLC-MS. (6) Approved for compliance testing only when holding time is met. (7) Method not approved for NPDES testing. (8) Accreditation based in part on recognition of Idaho Department of Health and Welfare accreditation. (9) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110). (10) Interim accreditation pending the successful completion of an on-site audit to verify method capabilities (WAC 173-50-100).



07/13/2022

Authentication Signature

Date

Rebecca Wood, Lab Accreditation Unit Supervisor

The State of
Department



Washington
of Ecology

Pace Analytical Services, LLC - Minneapolis MN
Minneapolis, MN

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective February 19, 2022 and shall expire February 18, 2023.

Witnessed under my hand on February 16, 2022.

Rebecca Wood
Lab Accreditation Unit Supervisor

Laboratory ID
C486

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Pace Analytical Services, LLC - Minneapolis MN

Minneapolis, MN

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/Analyte	Method	Notes
Air		
Carbon dioxide	EPA 3C	1
Carbon monoxide	EPA 3C	1
Helium	EPA 3C	1
Methane	EPA 3C	1
Nitrogen	EPA 3C	1
Oxygen	EPA 3C	1
1,2,4-Trimethylbenzene	EPA TO-3	1
Benzene	EPA TO-3	1
Ethane	EPA TO-3	1
Ethene	EPA TO-3	1
Ethylbenzene	EPA TO-3	1
m+p-xylene	EPA TO-3	1
Methane	EPA TO-3	1
Methyl tert-butyl ether (MTBE)	EPA TO-3	1
n-Hexane	EPA TO-3	1
o-Xylene	EPA TO-3	1
Toluene	EPA TO-3	1
Total Hydrocarbons C1-C4	EPA TO-3	1
Total Hydrocarbons C6-C10	EPA TO-3	1
Xylene (total)	EPA TO-3	1
1,1,1-Trichloroethane	EPA TO-15 Rev. 2 (1999)	1
1,1,2,2-Tetrachloroethane	EPA TO-15 Rev. 2 (1999)	1
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA TO-15 Rev. 2 (1999)	1
1,1,2-Trichloroethane	EPA TO-15 Rev. 2 (1999)	1
1,1-Dichloroethane	EPA TO-15 Rev. 2 (1999)	1
1,1-Dichloroethylene	EPA TO-15 Rev. 2 (1999)	1

Pace Analytical Services, LLC - Minneapolis MN

Matrix/Analyte	Method	Notes
Air		
1,2,3-Trimethylbenzene	EPA TO-15 Rev. 2 (1999)	1
1,2,4-Trichlorobenzene	EPA TO-15 Rev. 2 (1999)	1
1,2,4-Trimethylbenzene	EPA TO-15 Rev. 2 (1999)	1
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA TO-15 Rev. 2 (1999)	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	EPA TO-15 Rev. 2 (1999)	1
1,2-Dichlorobenzene	EPA TO-15 Rev. 2 (1999)	1
1,2-Dichloroethane (Ethylene dichloride)	EPA TO-15 Rev. 2 (1999)	1
1,2-Dichloropropane	EPA TO-15 Rev. 2 (1999)	1
1,3,5-Trimethylbenzene	EPA TO-15 Rev. 2 (1999)	1
1,3-Butadiene	EPA TO-15 Rev. 2 (1999)	1
1,3-Dichlorobenzene	EPA TO-15 Rev. 2 (1999)	1
1,4-Dichlorobenzene	EPA TO-15 Rev. 2 (1999)	1
1,4-Dioxane (1,4- Diethyleneoxide)	EPA TO-15 Rev. 2 (1999)	1
1-Propene	EPA TO-15 Rev. 2 (1999)	1
2,2,4-Trimethylpentane	EPA TO-15 Rev. 2 (1999)	1
2-Butanone (Methyl ethyl ketone, MEK)	EPA TO-15 Rev. 2 (1999)	1
2-Hexanone	EPA TO-15 Rev. 2 (1999)	1
4-Ethyltoluene	EPA TO-15 Rev. 2 (1999)	1
4-Isopropyltoluene (p-Cymene)	EPA TO-15 Rev. 2 (1999)	1
4-Methyl-2-pentanone (MIBK)	EPA TO-15 Rev. 2 (1999)	1
Acetone	EPA TO-15 Rev. 2 (1999)	1
Acrolein (Propenal)	EPA TO-15 Rev. 2 (1999)	1
Acrylonitrile	EPA TO-15 Rev. 2 (1999)	1
Allyl chloride (3-Chloropropene)	EPA TO-15 Rev. 2 (1999)	1
Benzene	EPA TO-15 Rev. 2 (1999)	1
Benzyl chloride	EPA TO-15 Rev. 2 (1999)	1
Bromodichloromethane	EPA TO-15 Rev. 2 (1999)	1
Bromoform	EPA TO-15 Rev. 2 (1999)	1
Carbon disulfide	EPA TO-15 Rev. 2 (1999)	1
Carbon tetrachloride	EPA TO-15 Rev. 2 (1999)	1
Chlorobenzene	EPA TO-15 Rev. 2 (1999)	1
Chlorodibromomethane	EPA TO-15 Rev. 2 (1999)	1
Chlorodifluoromethane (Freon-22)	EPA TO-15 Rev. 2 (1999)	1
Chloroethane	EPA TO-15 Rev. 2 (1999)	1
Chloroform	EPA TO-15 Rev. 2 (1999)	1
cis-1,2-Dichloroethylene	EPA TO-15 Rev. 2 (1999)	1
cis-1,3-Dichloropropene	EPA TO-15 Rev. 2 (1999)	1

Washington State Department of Ecology

Effective Date: 6/10/2022

Scope of Accreditation Report for Pace Analytical Services, LLC - Minneapolis MN

C486-22a

Laboratory Accreditation Unit

Page 2 of 31

Scope Expires: 2/18/2023

Pace Analytical Services, LLC - Minneapolis MN

Matrix/Analyte	Method	Notes
Air		
Cyclohexane	EPA TO-15 Rev. 2 (1999)	1
Dichlorodifluoromethane (Freon-12)	EPA TO-15 Rev. 2 (1999)	1
Di-isopropylether (DIPE)	EPA TO-15 Rev. 2 (1999)	1
Ethanol	EPA TO-15 Rev. 2 (1999)	1
Ethyl acetate	EPA TO-15 Rev. 2 (1999)	1
Ethylbenzene	EPA TO-15 Rev. 2 (1999)	1
Ethyl-t-butylether (ETBE)	EPA TO-15 Rev. 2 (1999)	1
Hexachlorobutadiene	EPA TO-15 Rev. 2 (1999)	1
Isopropyl alcohol (2-Propanol)	EPA TO-15 Rev. 2 (1999)	1
Isopropylbenzene	EPA TO-15 Rev. 2 (1999)	1
m+p-xylene	EPA TO-15 Rev. 2 (1999)	1
Methyl bromide (Bromomethane)	EPA TO-15 Rev. 2 (1999)	1
Methyl chloride (Chloromethane)	EPA TO-15 Rev. 2 (1999)	1
Methyl methacrylate	EPA TO-15 Rev. 2 (1999)	1
Methyl tert-butyl ether (MTBE)	EPA TO-15 Rev. 2 (1999)	1
Methylcyclohexane	EPA TO-15 Rev. 2 (1999)	1
Methylene chloride (Dichloromethane)	EPA TO-15 Rev. 2 (1999)	1
Naphthalene	EPA TO-15 Rev. 2 (1999)	1
n-Butylbenzene	EPA TO-15 Rev. 2 (1999)	1
n-Heptane	EPA TO-15 Rev. 2 (1999)	1
n-Hexane	EPA TO-15 Rev. 2 (1999)	1
n-Propylbenzene	EPA TO-15 Rev. 2 (1999)	1
o-Xylene	EPA TO-15 Rev. 2 (1999)	1
sec-Butylbenzene	EPA TO-15 Rev. 2 (1999)	1
Styrene	EPA TO-15 Rev. 2 (1999)	1
tert-amylmethylether (TAME)	EPA TO-15 Rev. 2 (1999)	1
tert-Butyl alcohol	EPA TO-15 Rev. 2 (1999)	1
tert-Butylbenzene	EPA TO-15 Rev. 2 (1999)	1
Tetrachloroethylene (Perchloroethylene)	EPA TO-15 Rev. 2 (1999)	1
Tetrahydrofuran (THF)	EPA TO-15 Rev. 2 (1999)	1
Toluene	EPA TO-15 Rev. 2 (1999)	1
Total Hydrocarbons C1-C4	EPA TO-15 Rev. 2 (1999)	1
Total Hydrocarbons C6-C10	EPA TO-15 Rev. 2 (1999)	1
trans-1,2-Dichloroethylene	EPA TO-15 Rev. 2 (1999)	1
trans-1,3-Dichloropropylene	EPA TO-15 Rev. 2 (1999)	1
Trichloroethene (Trichloroethylene)	EPA TO-15 Rev. 2 (1999)	1
Trichlorofluoromethane (Freon 11)	EPA TO-15 Rev. 2 (1999)	1

Washington State Department of Ecology

Effective Date: 6/10/2022

Scope of Accreditation Report for Pace Analytical Services, LLC - Minneapolis MN

C486-22a

Laboratory Accreditation Unit

Page 3 of 31

Scope Expires: 2/18/2023

Pace Analytical Services, LLC - Minneapolis MN

Matrix/Analyte	Method	Notes
Air		
Vinyl acetate	EPA TO-15 Rev. 2 (1999)	1
Vinyl bromide	EPA TO-15 Rev. 2 (1999)	1
Vinyl chloride	EPA TO-15 Rev. 2 (1999)	1
Xylene (total)	EPA TO-15 Rev. 2 (1999)	1
Drinking Water		
Turbidity	EPA 180.1_2_1993	1
Bromide	EPA 300.0_2.1_1993	1
Chloride	EPA 300.0_2.1_1993	1
Fluoride	EPA 300.0_2.1_1993	1
Nitrate	EPA 300.0_2.1_1993	1
Nitrite	EPA 300.0_2.1_1993	1
Sulfate	EPA 300.0_2.1_1993	1
Nitrate	EPA 353.2_2_1993	1
Nitrite	EPA 353.2_2_1993	1
Alkalinity	SM 2320 B-2011	1
Specific Conductance	SM 2510 B-2011	1
Solids, Total Dissolved	SM 2540 C-2011	1
Chlorine (Residual), Total	SM 4500-Cl G-2011	1
Chloride	SM 4500-Cl ⁻ E-2011	1
Cyanide, Total	SM 4500-CN ⁻ E-2011	1
Fluoride	SM 4500-F ⁻ C-2011	1
pH	SM 4500-H ⁺ B-2011	1,3
Nitrite	SM 4500-NO2 ⁻ B-2011	1
Aluminum	EPA 200.8_5.4_1994	1
Antimony	EPA 200.8_5.4_1994	1
Arsenic	EPA 200.8_5.4_1994	1
Barium	EPA 200.8_5.4_1994	1
Beryllium	EPA 200.8_5.4_1994	1
Cadmium	EPA 200.8_5.4_1994	1
Chromium	EPA 200.8_5.4_1994	1
Copper	EPA 200.8_5.4_1994	1
Lead	EPA 200.8_5.4_1994	1
Manganese	EPA 200.8_5.4_1994	1
Nickel	EPA 200.8_5.4_1994	1
Selenium	EPA 200.8_5.4_1994	1
Silver	EPA 200.8_5.4_1994	1
Thallium	EPA 200.8_5.4_1994	1

Matrix/Analyte	Method	Notes
Drinking Water		
Total Uranium	EPA 200.8_5.4_1994	1
Zinc	EPA 200.8_5.4_1994	1
Mercury	EPA 245.1_3_1994	1
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613B_1994	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	EPA 537.1_(11/18)	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1_(11/18)	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	EPA 537.1_(11/18)	1
Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 537.1_(11/18)	1
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	EPA 537.1_(11/18)	1
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	EPA 537.1_(11/18)	1
Perfluorobutane sulfonate (PFBS)	EPA 537.1_(11/18)	1
Perfluorodecanoic acid (PFDA)	EPA 537.1_(11/18)	1
Perfluorododecanoic acid (PFDoA)	EPA 537.1_(11/18)	1
Perfluoroheptanoic acid (PFHpA)	EPA 537.1_(11/18)	1
Perfluorohexane sulfonate (PFHxS)	EPA 537.1_(11/18)	1
Perfluorohexanoic acid (PFHxA)	EPA 537.1_(11/18)	1
Perfluorononanoic acid (PFNA)	EPA 537.1_(11/18)	1
Perfluorooctane sulfonate (PFOS)	EPA 537.1_(11/18)	1
Perfluorooctanoic acid (PFOA)	EPA 537.1_(11/18)	1
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1_(11/18)	1
Perfluorotridecanoic acid (PFTTrDA)	EPA 537.1_(11/18)	1
Perfluoroundecanoic acid (PFUnA)	EPA 537.1_(11/18)	1
Non-Potable Water		
Sulfate	ASTM D516-11	1
Specific Conductance	EPA 120.1_1982	1
Solids, Total Volatile	EPA 160.4_1971	1
non-Polar Extractable Material (TPH)	EPA 1664B (SGT-HEM)	1
n-Hexane Extractable Material (O&G)	EPA 1664B -10 (HEM)	1
Turbidity	EPA 180.1_2_1993	1
Bromide	EPA 300.0_2.1_1993	1
Chloride	EPA 300.0_2.1_1993	1
Fluoride	EPA 300.0_2.1_1993	1
Nitrate	EPA 300.0_2.1_1993	1
Nitrite	EPA 300.0_2.1_1993	1
Sulfate	EPA 300.0_2.1_1993	1
Ammonia	EPA 350.1_2_1993	1
Nitrate	EPA 353.2_2_1993	1

Pace Analytical Services, LLC - Minneapolis MN

Matrix/Analyte	Method	Notes
Non-Potable Water		
Nitrate + Nitrite	EPA 353.2_2_1993	1
Nitrite	EPA 353.2_2_1993	1
Chemical Oxygen Demand (COD)	EPA 410.4_2_1993	1
Alkalinity	SM 2320 B-2011	1
Hardness (calc.)	SM 2340 B-2011	1
Specific Conductance	SM 2510 B-2011	1
Solids, Total	SM 2540 B-2011	1
Solids, Total Dissolved	SM 2540 C-2011	1
Solids, Total Suspended	SM 2540 D-2011	1
Solids, Settleable	SM 2540 F-2011	1
Chromium, Hexavalent	SM 3500-Cr B-2011	1
Chloride	SM 4500-Cl ⁻ E-2011	1
Cyanide, Total	SM 4500-CN ⁻ E-2011	1
Cyanides, Amenable to Chlorination	SM 4500-CN ⁻ G-2011	1
Fluoride	SM 4500-F ⁻ C-2011	1
pH	SM 4500-H+ B-2011	1,3
Nitrite	SM 4500-NO ₂ ⁻ B-2011	1
Nitrate + Nitrite	SM 4500-NO ₃ ⁻ H-2011	1
Phosphorus, Total	SM 4500-P F-2011	1
Orthophosphate	SM 4500-P G-2011	1
Chemical Oxygen Demand (COD)	SM 5220 D-2011	1
Aluminum	EPA 200.7_4.4_1994	1
Antimony	EPA 200.7_4.4_1994	1
Arsenic	EPA 200.7_4.4_1994	1
Barium	EPA 200.7_4.4_1994	1
Beryllium	EPA 200.7_4.4_1994	1
Boron	EPA 200.7_4.4_1994	1
Cadmium	EPA 200.7_4.4_1994	1
Calcium	EPA 200.7_4.4_1994	1
Chromium	EPA 200.7_4.4_1994	1
Cobalt	EPA 200.7_4.4_1994	1
Copper	EPA 200.7_4.4_1994	1
Iron	EPA 200.7_4.4_1994	1
Lead	EPA 200.7_4.4_1994	1
Magnesium	EPA 200.7_4.4_1994	1
Manganese	EPA 200.7_4.4_1994	1
Molybdenum	EPA 200.7_4.4_1994	1

Washington State Department of Ecology

Effective Date: 6/10/2022

Scope of Accreditation Report for Pace Analytical Services, LLC - Minneapolis MN

C486-22a

Laboratory Accreditation Unit

Page 6 of 31

Scope Expires: 2/18/2023

Pace Analytical Services, LLC - Minneapolis MN

Matrix/Analyte	Method	Notes
Non-Potable Water		
Nickel	EPA 200.7_4.4_1994	1
Potassium	EPA 200.7_4.4_1994	1
Selenium	EPA 200.7_4.4_1994	1
Silver	EPA 200.7_4.4_1994	1
Sodium	EPA 200.7_4.4_1994	1
Thallium	EPA 200.7_4.4_1994	1
Tin	EPA 200.7_4.4_1994	1
Titanium	EPA 200.7_4.4_1994	1
Vanadium	EPA 200.7_4.4_1994	1
Zinc	EPA 200.7_4.4_1994	1
Aluminum	EPA 200.8_5.4_1994	1
Antimony	EPA 200.8_5.4_1994	1
Arsenic	EPA 200.8_5.4_1994	1
Barium	EPA 200.8_5.4_1994	1
Beryllium	EPA 200.8_5.4_1994	1
Bismuth	EPA 200.8_5.4_1994	1
Boron	EPA 200.8_5.4_1994	1
Cadmium	EPA 200.8_5.4_1994	1
Calcium	EPA 200.8_5.4_1994	1
Chromium	EPA 200.8_5.4_1994	1
Cobalt	EPA 200.8_5.4_1994	1
Copper	EPA 200.8_5.4_1994	1
Iron	EPA 200.8_5.4_1994	1
Lead	EPA 200.8_5.4_1994	1
Lithium	EPA 200.8_5.4_1994	1
Magnesium	EPA 200.8_5.4_1994	1
Manganese	EPA 200.8_5.4_1994	1
Molybdenum	EPA 200.8_5.4_1994	1
Nickel	EPA 200.8_5.4_1994	1
Palladium	EPA 200.8_5.4_1994	1
Platinum	EPA 200.8_5.4_1994	1
Potassium	EPA 200.8_5.4_1994	1
Selenium	EPA 200.8_5.4_1994	1
Silicon	EPA 200.8_5.4_1994	1
Silver	EPA 200.8_5.4_1994	1
Sodium	EPA 200.8_5.4_1994	1
Strontium	EPA 200.8_5.4_1994	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
Thallium	EPA 200.8_5.4_1994	1
Tin	EPA 200.8_5.4_1994	1
Titanium	EPA 200.8_5.4_1994	1
Uranium	EPA 200.8_5.4_1994	1
Vanadium	EPA 200.8_5.4_1994	1
Zinc	EPA 200.8_5.4_1994	1
Mercury	EPA 245.1_3_1994	1
Diesel range organics (DRO)	WDOE NWTPH-Dx_(1997)	2,5
Gasoline range organics (GRO)	WDOE NWTPH-Gx_(1997)	2,5
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ENV-SOP-MIN4-0178	5
1H,1H,2H,2H,-Perfluorodecanesulfonic acid (8:2 FTS)	ENV-SOP-MIN4-0178	5
1H,1H,2H,2H,-Perfluorooctanesulfonic acid (6:2 FTS)	ENV-SOP-MIN4-0178	5
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2-FTS)	ENV-SOP-MIN4-0178	5
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ENV-SOP-MIN4-0178	5
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ENV-SOP-MIN4-0178	5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ENV-SOP-MIN4-0178	5
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ENV-SOP-MIN4-0178	5
N-Ethylperfluorooctane sulfonamide (EtFOSA)	ENV-SOP-MIN4-0178	5
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ENV-SOP-MIN4-0178	5
N-Ethylperfluorooctanesulfonamidoethanol (EtFOSE)	ENV-SOP-MIN4-0178	5
N-Methylperfluorooctane sulfonamide (MeFOSA)	ENV-SOP-MIN4-0178	5
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ENV-SOP-MIN4-0178	5
N-Methylperfluorooctanesulfonamido ethanol (MeFOSE)	ENV-SOP-MIN4-0178	5
Perfluorobutane sulfonic acid (PFBS)	ENV-SOP-MIN4-0178	5
Perfluorobutanoic acid (PFBA)	ENV-SOP-MIN4-0178	5
Perfluorodecane sulfonic acid (PFDS)	ENV-SOP-MIN4-0178	5
Perfluorodecanoic acid (PFDA)	ENV-SOP-MIN4-0178	5
Perfluorododecane sulfonic acid (PFDoS)	ENV-SOP-MIN4-0178	5
Perfluorododecanoic acid (PFDoA)	ENV-SOP-MIN4-0178	5
Perfluoroheptane sulfonic acid (PFHpS)	ENV-SOP-MIN4-0178	5
Perfluoroheptanoic acid (PFHpA)	ENV-SOP-MIN4-0178	5
Perfluorohexadecanoic acid (PFHXDA)	ENV-SOP-MIN4-0178	5
Perfluorohexane sulfonic acid (PFHxS)	ENV-SOP-MIN4-0178	5
Perfluorohexanoic acid (PFHxA)	ENV-SOP-MIN4-0178	5
Perfluorononane sulfonic acid (PFNS)	ENV-SOP-MIN4-0178	5
Perfluorononanoic acid (PFNA)	ENV-SOP-MIN4-0178	5
Perfluorooctadecanoic acid (PFODA)	ENV-SOP-MIN4-0178	5

Matrix/Analyte	Method	Notes
Non-Potable Water		
Perfluorooctane sulfonamide (PFOSA)	ENV-SOP-MIN4-0178	5
Perfluorooctane sulfonic acid (PFOS)	ENV-SOP-MIN4-0178	5
Perfluorooctanoic acid (PFOA)	ENV-SOP-MIN4-0178	5
Perfluoropentane sulfonic acid (PFPeS)	ENV-SOP-MIN4-0178	5
Perfluoropentanoic acid (PFPeA)	ENV-SOP-MIN4-0178	5
Perfluorotetradecanoic acid (PFTeDA)	ENV-SOP-MIN4-0178	5
Perfluorotridecanoic acid (PFTrDA)	ENV-SOP-MIN4-0178	5
Perfluoroundecanoic acid (PFUnA)	ENV-SOP-MIN4-0178	5
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 1613B_1994	1
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 1613B_1994	1
1,2,3,4,6,7,8-Hpcdd	EPA 1613B_1994	1
1,2,3,4,6,7,8-Hpcdf	EPA 1613B_1994	1
1,2,3,4,7,8,9-Hpcdf	EPA 1613B_1994	1
1,2,3,4,7,8-Hxcdd	EPA 1613B_1994	1
1,2,3,4,7,8-Hxcdf	EPA 1613B_1994	1
1,2,3,6,7,8-Hxcdd	EPA 1613B_1994	1
1,2,3,6,7,8-Hxcdf	EPA 1613B_1994	1
1,2,3,7,8,9-Hxcdd	EPA 1613B_1994	1
1,2,3,7,8,9-Hxcdf	EPA 1613B_1994	1
1,2,3,7,8-Pecdd	EPA 1613B_1994	1
1,2,3,7,8-Pecdf	EPA 1613B_1994	1
2,3,4,6,7,8-Hxcdf	EPA 1613B_1994	1
2,3,4,7,8-Pecdf	EPA 1613B_1994	1
2,3,7,8-TCDD	EPA 1613B_1994	1
2,3,7,8-TCDF	EPA 1613B_1994	1
Hpcdd, total	EPA 1613B_1994	1
Hpcdf, total	EPA 1613B_1994	1
Hxcdd, total	EPA 1613B_1994	1
Hxcdf, total	EPA 1613B_1994	1
Pecdd, total	EPA 1613B_1994	1
Pecdf, total	EPA 1613B_1994	1
TCDD, total	EPA 1613B_1994	1
TCDF, total	EPA 1613B_1994	1
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ-206)	EPA 1668C_2010	1
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ-194)	EPA 1668C_2010	1
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (BZ-207)	EPA 1668C_2010	1
2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ-195)	EPA 1668C_2010	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (BZ-196)	EPA 1668C_2010	1
2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ-170)	EPA 1668C_2010	1
2,2',3,3',4,5,5',6'-Nonachlorobiphenyl (BZ-208)	EPA 1668C_2010	1
2,2',3,3',4,5,5'-Heptachlorobiphenyl (BZ-172)	EPA 1668C_2010	1
2,2',3,3',4,5',6'-Octachlorobiphenyl (BZ-201)	EPA 1668C_2010	1
2,2',3,3',4,5,6'-Heptachlorobiphenyl (BZ-174)	EPA 1668C_2010	1
2,2',3,3',4,5',6-Heptachlorobiphenyl (BZ-175)	EPA 1668C_2010	1
2,2',3,3',4,5',6'-Heptachlorobiphenyl (BZ-177)	EPA 1668C_2010	1
2,2',3,3',4,5'-Hexachlorobiphenyl (BZ-130)	EPA 1668C_2010	1
2,2',3,3',4,6,6'-Heptachlorobiphenyl (BZ-176)	EPA 1668C_2010	1
2,2',3,3',4,6-Hexachlorobiphenyl (BZ-131)	EPA 1668C_2010	1
2,2',3,3',4,6'-Hexachlorobiphenyl (BZ-132)	EPA 1668C_2010	1
2,2',3,3',4-Pentachlorobiphenyl (BZ-82)	EPA 1668C_2010	1
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (BZ-202)	EPA 1668C_2010	1
2,2',3,3',5,5',6-Heptachlorobiphenyl (BZ-178)	EPA 1668C_2010	1
2,2',3,3',5,5'-Hexachlorobiphenyl (BZ-133)	EPA 1668C_2010	1
2,2',3,3',5,6,6'-Heptachlorobiphenyl (BZ-179)	EPA 1668C_2010	1
2,2',3,3',5-Pentachlorobiphenyl (BZ-83)	EPA 1668C_2010	1
2,2',3,3',6,6'-Hexachlorobiphenyl (BZ-136)	EPA 1668C_2010	1
2,2',3,3',6-Pentachlorobiphenyl (BZ-84)	EPA 1668C_2010	1
2,2',3,4,4',5,5',6-Octachlorobiphenyl (BZ-203)	EPA 1668C_2010	1
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (BZ-204)	EPA 1668C_2010	1
2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ-181)	EPA 1668C_2010	1
2,2',3,4,4',5,6'-Heptachlorobiphenyl (BZ-182)	EPA 1668C_2010	1
2,2',3,4,4',5-Hexachlorobiphenyl (BZ-137)	EPA 1668C_2010	1
2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ-184)	EPA 1668C_2010	1
2,2',3,4,4',5,5',6-Heptachlorobiphenyl (BZ-187)	EPA 1668C_2010	1
2,2',3,4,5,5'-Hexachlorobiphenyl (BZ-141)	EPA 1668C_2010	1
2,2',3,4,5,5'-Hexachlorobiphenyl (BZ-146)	EPA 1668C_2010	1
2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ-186)	EPA 1668C_2010	1
2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ-188)	EPA 1668C_2010	1
2,2',3,4,5,6-Hexachlorobiphenyl (BZ-142)	EPA 1668C_2010	1
2,2',3,4,5,6-Hexachlorobiphenyl (BZ-144)	EPA 1668C_2010	1
2,2',3,4,5,6'-Hexachlorobiphenyl (BZ-148)	EPA 1668C_2010	1
2,2',3,4,6,6'-Hexachlorobiphenyl (BZ-145)	EPA 1668C_2010	1
2,2',3,4,6,6'-Hexachlorobiphenyl (BZ-150)	EPA 1668C_2010	1
2,2',3,4,6'-Pentachlorobiphenyl (BZ-89)	EPA 1668C_2010	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
2,2',3,4'-Tetrachlorobiphenyl (BZ-42)	EPA 1668C_2010	1
2,2',3,5,5'-Pentachlorobiphenyl (BZ-92)	EPA 1668C_2010	1
2,2',3,5,6,6'-Hexachlorobiphenyl (BZ-152)	EPA 1668C_2010	1
2,2',3,5,6'-Pentachlorobiphenyl (BZ-94)	EPA 1668C_2010	1
2,2',3,5',6-Pentachlorobiphenyl (BZ-95)	EPA 1668C_2010	1
2,2',3,6,6'-Pentachlorobiphenyl (BZ-96)	EPA 1668C_2010	1
2,2',3,6'-Tetrachlorobiphenyl (BZ-46)	EPA 1668C_2010	1
2,2',3-Trichlorobiphenyl (BZ-16)	EPA 1668C_2010	1
2,2',4,4',5,6'-Hexachlorobiphenyl (BZ-154)	EPA 1668C_2010	1
2,2',4,4',5-Pentachlorobiphenyl (BZ-99)	EPA 1668C_2010	1
2,2',4,4',6,6'-Hexachlorobiphenyl (BZ-155)	EPA 1668C_2010	1
2,2',4,5',6-Pentachlorobiphenyl (BZ-103)	EPA 1668C_2010	1
2,2',4,5-Tetrachlorobiphenyl (BZ-48)	EPA 1668C_2010	1
2,2',4,6,6'-Pentachlorobiphenyl (BZ-104)	EPA 1668C_2010	1
2,2',4-Trichlorobiphenyl (BZ-17)	EPA 1668C_2010	1
2,2',5,5'-Tetrachlorobiphenyl (BZ-52)	EPA 1668C_2010	1
2,2',6,6'-Tetrachlorobiphenyl (BZ-54)	EPA 1668C_2010	1
2,2',6-Trichlorobiphenyl (BZ-19)	EPA 1668C_2010	1
2,2'-Dichlorobiphenyl (BZ-4)	EPA 1668C_2010	1
2,3,3',4,4',5,5',6-Octachlorobiphenyl (BZ-205)	EPA 1668C_2010	1
2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ-189)	EPA 1668C_2010	1
2,3,3',4,4',5,6-Heptachlorobiphenyl (BZ-190)	EPA 1668C_2010	1
2,3,3',4,4',5,6-Heptachlorobiphenyl (BZ-191)	EPA 1668C_2010	1
2,3,3',4,4',6-Hexachlorobiphenyl (BZ-158)	EPA 1668C_2010	1
2,3,3',4,4'-Pentachlorobiphenyl (BZ-105)	EPA 1668C_2010	1
2,3,3',4,5,5',6-Heptachlorobiphenyl (BZ-192)	EPA 1668C_2010	1
2,3,3',4,5,5'-Hexachlorobiphenyl (BZ-159)	EPA 1668C_2010	1
2,3,3',4',5,5'-Hexachlorobiphenyl (BZ-162)	EPA 1668C_2010	1
2,3,3',4,5,6-Hexachlorobiphenyl (BZ-160)	EPA 1668C_2010	1
2,3,3',4',5,6-Hexachlorobiphenyl (BZ-164)	EPA 1668C_2010	1
2,3,3',4,5',6-Hexachlorobiphenyl (BZ-161)	EPA 1668C_2010	1
2,3,3',4,5-Pentachlorobiphenyl (BZ-106)	EPA 1668C_2010	1
2,3,3',4',5'-Pentachlorobiphenyl (BZ-122)	EPA 1668C_2010	1
2,3,3',4,6-Pentachlorobiphenyl (BZ-109)	EPA 1668C_2010	1
2,3,3',4-Tetrachlorobiphenyl (BZ-55)	EPA 1668C_2010	1
2,3,3',4'-Tetrachlorobiphenyl (BZ-56)	EPA 1668C_2010	1
2,3,3',5,5',6-Hexachlorobiphenyl (BZ-165)	EPA 1668C_2010	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
2,3,3',5,5'-Pentachlorobiphenyl (BZ-111)	EPA 1668C_2010	1
2,3,3',5,6-Pentachlorobiphenyl (BZ-112)	EPA 1668C_2010	1
2,3,3',5-Tetrachlorobiphenyl (BZ-57)	EPA 1668C_2010	1
2,3,3',5'-Tetrachlorobiphenyl (BZ-58)	EPA 1668C_2010	1
2,3',4,4',5,5'-Hexachlorobiphenyl (BZ-167)	EPA 1668C_2010	1
2,3,4,4',5-Pentachlorobiphenyl (BZ-114)	EPA 1668C_2010	1
2,3',4,4',5-Pentachlorobiphenyl (BZ-118)	EPA 1668C_2010	1
2,3',4,4',5'-Pentachlorobiphenyl (BZ-123)	EPA 1668C_2010	1
2,3,4,4'-Tetrachlorobiphenyl (BZ-60)	EPA 1668C_2010	1
2,3',4,4'-Tetrachlorobiphenyl (BZ-66)	EPA 1668C_2010	1
2,3',4,5,5'-Pentachlorobiphenyl (BZ-120)	EPA 1668C_2010	1
2,3',4,5',6-Pentachlorobiphenyl (BZ-121)	EPA 1668C_2010	1
2,3,4',5-Tetrachlorobiphenyl (BZ-63)	EPA 1668C_2010	1
2,3',4,5'-Tetrachlorobiphenyl (BZ-68)	EPA 1668C_2010	1
2,3',4,5-Tetrachlorobiphenyl (BZ-67)	EPA 1668C_2010	1
2,3,4',6-Tetrachlorobiphenyl (BZ-64)	EPA 1668C_2010	1
2,3,4'-Trichlorobiphenyl (BZ-22)	EPA 1668C_2010	1
2,3',4-Trichlorobiphenyl (BZ-25)	EPA 1668C_2010	1
2,3',5,5'-Tetrachlorobiphenyl (BZ-72)	EPA 1668C_2010	1
2,3',5',6-Tetrachlorobiphenyl (BZ-73)	EPA 1668C_2010	1
2,3,5-Trichlorobiphenyl (BZ-23)	EPA 1668C_2010	1
2,3',5'-Trichlorobiphenyl (BZ-34)	EPA 1668C_2010	1
2,3,6-Trichlorobiphenyl (BZ-24)	EPA 1668C_2010	1
2,3',6-Trichlorobiphenyl (BZ-27)	EPA 1668C_2010	1
2,3-Dichlorobiphenyl (BZ-5)	EPA 1668C_2010	1
2,3'-Dichlorobiphenyl (BZ-6)	EPA 1668C_2010	1
2,4',5-Trichlorobiphenyl (BZ-31)	EPA 1668C_2010	1
2,4',6-Trichlorobiphenyl (BZ-32)	EPA 1668C_2010	1
2,4-Dichlorobiphenyl (BZ-7)	EPA 1668C_2010	1
2,4'-Dichlorobiphenyl (BZ-8)	EPA 1668C_2010	1
2,5-Dichlorobiphenyl (BZ-9)	EPA 1668C_2010	1
2,6-Dichlorobiphenyl (BZ-10)	EPA 1668C_2010	1
2-Chlorobiphenyl (BZ-1)	EPA 1668C_2010	1
3,3',4,4',5,5'-Hexachlorobiphenyl (BZ-169)	EPA 1668C_2010	1
3,3',4,4',5-Pentachlorobiphenyl (BZ-126)	EPA 1668C_2010	1
3,3',4,4'-Tetrachlorobiphenyl (BZ-77)	EPA 1668C_2010	1
3,3',4,5,5'-Pentachlorobiphenyl (BZ-127)	EPA 1668C_2010	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
3,3',4,5-Tetrachlorobiphenyl (BZ-78)	EPA 1668C_2010	1
3,3',4,5'-Tetrachlorobiphenyl (BZ-79)	EPA 1668C_2010	1
3,3',4-Trichlorobiphenyl (BZ-35)	EPA 1668C_2010	1
3,3',5,5'-Tetrachlorobiphenyl (BZ-80)	EPA 1668C_2010	1
3,3',5-Trichlorobiphenyl (BZ-36)	EPA 1668C_2010	1
3,3'-Dichlorobiphenyl (BZ-11)	EPA 1668C_2010	1
3,4,4',5-Tetrachlorobiphenyl (BZ-81)	EPA 1668C_2010	1
3,4,4'-Trichlorobiphenyl (BZ-37)	EPA 1668C_2010	1
3,4,5-Trichlorobiphenyl (BZ-38)	EPA 1668C_2010	1
3,4',5-Trichlorobiphenyl (BZ-39)	EPA 1668C_2010	1
3,5-Dichlorobiphenyl (BZ-14)	EPA 1668C_2010	1
3-Chlorobiphenyl (BZ-2)	EPA 1668C_2010	1
4,4'-Dichlorobiphenyl (BZ-15)	EPA 1668C_2010	1
4-Chlorobiphenyl (BZ-3)	EPA 1668C_2010	1
Coelution - Dichlorobiphenyls (BZ-12--+13)	EPA 1668C_2010	1
Coelution - Heptachlorobiphenyls (BZ-171 + BZ-173)	EPA 1668C_2010	1
Coelution - Heptachlorobiphenyls (BZ-180 + BZ-193)	EPA 1668C_2010	1
Coelution - Heptachlorobiphenyls (BZ-183 + BZ-185)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-128 + BZ-166)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-129 + BZ-138 + BZ-163)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-134 + BZ-143)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-135 + BZ-151)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-139 + BZ-140)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-147 + BZ-149)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-153 + BZ-168)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-156 + BZ-157)	EPA 1668C_2010	1
Coelution - Octachlorobiphenyls (BZ-197 + BZ-200)	EPA 1668C_2010	1
Coelution - Octachlorobiphenyls (BZ-198 + BZ-199)	EPA 1668C_2010	1
Coelution - Pentachlorobiphenyls (BZ-107 + BZ-124)	EPA 1668C_2010	1
Coelution - Pentachlorobiphenyls (BZ-110 + BZ-115)	EPA 1668C_2010	1
Coelution - Pentachlorobiphenyls (BZ-85 + BZ-116 + BZ-117)	EPA 1668C_2010	1
Coelution - Pentachlorobiphenyls (BZ-88 + BZ-91)	EPA 1668C_2010	1
Coelution - Pentachlorobiphenyls (BZ-90 + BZ-101 + BZ-113)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-40 + BZ-41 + BZ-71)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-44 + BZ-47 + BZ-65)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-45 + BZ-51)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-49 + BZ-69)	EPA 1668C_2010	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
Coelution - Tetrachlorobiphenyls (BZ-50 + BZ-53)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-59 + BZ-62 + BZ-75)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-61 + BZ-70 + BZ-74 + BZ-76)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-70 + BZ-74 + BZ-76)	EPA 1668C_2010	1
Coelution - Trichlorobiphenyls (BZ-18 + BZ-30)	EPA 1668C_2010	1
Coelution - Trichlorobiphenyls (BZ-20 + BZ-28)	EPA 1668C_2010	1
Coelution - Trichlorobiphenyls (BZ-21 + BZ-33)	EPA 1668C_2010	1
Coelution - Trichlorobiphenyls (BZ-26 + BZ-29)	EPA 1668C_2010	1
Decachlorobiphenyl (BZ-209)	EPA 1668C_2010	1
PCBs, as congeners	EPA 1668C_2010	1
1,1,1-Trichloroethane	EPA 624.1	1
1,1,2,2-Tetrachloroethane	EPA 624.1	1
1,1,2-Trichloroethane	EPA 624.1	1
1,1-Dichloroethane	EPA 624.1	1
1,1-Dichloroethylene	EPA 624.1	1
1,2-Dichlorobenzene	EPA 624.1	1
1,2-Dichloroethane (Ethylene dichloride)	EPA 624.1	1
1,2-Dichloropropane	EPA 624.1	1
1,3-Dichlorobenzene	EPA 624.1	1
1,4-Dichlorobenzene	EPA 624.1	1
2-Butanone (Methyl ethyl ketone, MEK)	EPA 624.1	1
4-Methyl-2-pentanone (MIBK)	EPA 624.1	1
Acetone	EPA 624.1	1
Acrolein (Propenal)	EPA 624.1	1
Acrylonitrile	EPA 624.1	1
Benzene	EPA 624.1	1
Bromodichloromethane	EPA 624.1	1
Bromoform	EPA 624.1	1
Carbon tetrachloride	EPA 624.1	1
Chlorobenzene	EPA 624.1	1
Chlorodibromomethane	EPA 624.1	1
Chloroethane (Ethyl chloride)	EPA 624.1	1
Chloroform	EPA 624.1	1
cis-1,3-Dichloropropene	EPA 624.1	1
Ethylbenzene	EPA 624.1	1
Isopropylbenzene	EPA 624.1	1
m+p-xylene	EPA 624.1	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
Methyl bromide (Bromomethane)	EPA 624.1	1
Methyl chloride (Chloromethane)	EPA 624.1	1
Methylene chloride (Dichloromethane)	EPA 624.1	1
o-Xylene	EPA 624.1	1
Tetrachloroethylene (Perchloroethylene)	EPA 624.1	1
Tetrahydrofuran (THF)	EPA 624.1	1
Toluene	EPA 624.1	1
trans-1,2-Dichloroethylene	EPA 624.1	1
trans-1,3-Dichloropropylene	EPA 624.1	1
Trichloroethene (Trichloroethylene)	EPA 624.1	1
Trichlorofluoromethane (Freon 11)	EPA 624.1	1
Vinyl chloride	EPA 624.1	1
Xylene (total)	EPA 624.1	1
1,2,4-Trichlorobenzene	EPA 625.1	1
2,2'-Oxybis(1-chloropropane)	EPA 625.1	1
2,4,5-Trichlorophenol	EPA 625.1	1
2,4,6-Trichlorophenol	EPA 625.1	1
2,4-Dichlorophenol	EPA 625.1	1
2,4-Dimethylphenol	EPA 625.1	1
2,4-Dinitrophenol	EPA 625.1	1
2,4-Dinitrotoluene (2,4-DNT)	EPA 625.1	1
2,6-Dinitrotoluene (2,6-DNT)	EPA 625.1	1
2-Chloronaphthalene	EPA 625.1	1
2-Chlorophenol	EPA 625.1	1
2-Methyl-4,6-dinitrophenol	EPA 625.1	1
2-Nitrophenol	EPA 625.1	1
3,3'-Dichlorobenzidine	EPA 625.1	1
4-Bromophenyl phenyl ether (BDE-3)	EPA 625.1	1
4-Chloro-3-methylphenol	EPA 625.1	1
4-Chlorophenyl phenylether	EPA 625.1	1
4-Nitrophenol	EPA 625.1	1
Acenaphthene	EPA 625.1	1
Acenaphthylene	EPA 625.1	1
Anthracene	EPA 625.1	1
Benzidine	EPA 625.1	1
Benzo(a)anthracene	EPA 625.1	1
Benzo(a)pyrene	EPA 625.1	1

Matrix/Analyte	Method	Notes
Non-Potable Water		
Benzo(g,h,i)perylene	EPA 625.1	1
Benzo(k)fluoranthene	EPA 625.1	1
Benzo[b]fluoranthene	EPA 625.1	1
bis(2-Chloroethoxy)methane	EPA 625.1	1
bis(2-Chloroethyl) ether	EPA 625.1	1
Butyl benzyl phthalate	EPA 625.1	1
Chrysene	EPA 625.1	1
Di(2-ethylhexyl)phthalate	EPA 625.1	1
Dibenz(a,h) anthracene	EPA 625.1	1
Diethyl phthalate	EPA 625.1	1
Dimethyl phthalate	EPA 625.1	1
Di-n-butyl phthalate	EPA 625.1	1
Di-n-octyl phthalate	EPA 625.1	1
Fluoranthene	EPA 625.1	1
Fluorene	EPA 625.1	1
Hexachlorobenzene	EPA 625.1	1
Hexachlorobutadiene	EPA 625.1	1
Hexachlorocyclopentadiene	EPA 625.1	1
Hexachloroethane	EPA 625.1	1
Indeno(1,2,3-cd) pyrene	EPA 625.1	1
Isophorone	EPA 625.1	1
Naphthalene	EPA 625.1	1
Nitrobenzene	EPA 625.1	1
N-Nitrosodimethylamine	EPA 625.1	1
N-Nitroso-di-n-propylamine	EPA 625.1	1
N-Nitrosodiphenylamine	EPA 625.1	1
Pentachlorophenol	EPA 625.1	1
Phenanthrene	EPA 625.1	1
Phenol	EPA 625.1	1
Pyrene	EPA 625.1	1
Ethane	EPA RSK-175	1
Ethene	EPA RSK-175	1
Methane	EPA RSK-175	1
n-Propane	EPA RSK-175	1
Solid and Chemical Materials		
pH	EPA 9045D_2002	1
Bromide	EPA 9056A_(02/07)	1,4

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Chloride	EPA 9056A_(02/07)	1,4
Fluoride	EPA 9056A_(02/07)	1,4
Nitrate	EPA 9056A_(02/07)	1
Nitrite	EPA 9056A_(02/07)	1
Sulfate	EPA 9056A_(02/07)	1,4
n-Hexane Extractable Material (O&G)	EPA 9071 B_2_1999	1
Paint Filter Liquids	EPA 9095 B-04	1
Aluminum	EPA 6010D_2018	1
Antimony	EPA 6010D_2018	1
Arsenic	EPA 6010D_2018	1
Barium	EPA 6010D_2018	1
Beryllium	EPA 6010D_2018	1
Boron	EPA 6010D_2018	1
Cadmium	EPA 6010D_2018	1
Calcium	EPA 6010D_2018	1
Chromium	EPA 6010D_2018	1
Cobalt	EPA 6010D_2018	1
Copper	EPA 6010D_2018	1
Iron	EPA 6010D_2018	1
Lead	EPA 6010D_2018	1
Magnesium	EPA 6010D_2018	1
Manganese	EPA 6010D_2018	1
Molybdenum	EPA 6010D_2018	1
Natural uranium	EPA 6010D_2018	1
Nickel	EPA 6010D_2018	1
Phosphorus, Total	EPA 6010D_2018	1
Potassium	EPA 6010D_2018	1
Selenium	EPA 6010D_2018	1
Silicon	EPA 6010D_2018	1
Silver	EPA 6010D_2018	1
Sodium	EPA 6010D_2018	1
Strontium	EPA 6010D_2018	1
Sulfur	EPA 6010D_2018	1
Thallium	EPA 6010D_2018	1
Tin	EPA 6010D_2018	1
Titanium	EPA 6010D_2018	1
Vanadium	EPA 6010D_2018	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Zinc	EPA 6010D_2018	1
Aluminum	EPA 6020B_(7/14)	1
Antimony	EPA 6020B_(7/14)	1
Arsenic	EPA 6020B_(7/14)	1
Barium	EPA 6020B_(7/14)	1
Beryllium	EPA 6020B_(7/14)	1
Bismuth	EPA 6020B_(7/14)	1,4
Boron	EPA 6020B_(7/14)	1
Cadmium	EPA 6020B_(7/14)	1
Calcium	EPA 6020B_(7/14)	1
Chromium	EPA 6020B_(7/14)	1
Cobalt	EPA 6020B_(7/14)	1
Copper	EPA 6020B_(7/14)	1
Iron	EPA 6020B_(7/14)	1
Lead	EPA 6020B_(7/14)	1
Lithium	EPA 6020B_(7/14)	1
Magnesium	EPA 6020B_(7/14)	1
Manganese	EPA 6020B_(7/14)	1
Mercury	EPA 6020B_(7/14)	1
Molybdenum	EPA 6020B_(7/14)	1
Nickel	EPA 6020B_(7/14)	1
Palladium	EPA 6020B_(7/14)	1,4
Platinum	EPA 6020B_(7/14)	1
Potassium	EPA 6020B_(7/14)	1
Selenium	EPA 6020B_(7/14)	1
Silicon	EPA 6020B_(7/14)	1
Silver	EPA 6020B_(7/14)	1
Sodium	EPA 6020B_(7/14)	1
Strontium	EPA 6020B_(7/14)	1
Sulfur	EPA 6020B_(7/14)	1
Thallium	EPA 6020B_(7/14)	1
Thorium	EPA 6020B_(7/14)	1
Tin	EPA 6020B_(7/14)	1
Titanium	EPA 6020B_(7/14)	1
Uranium	EPA 6020B_(7/14)	1
Vanadium	EPA 6020B_(7/14)	1
Zinc	EPA 6020B_(7/14)	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Mercury	EPA 7470A_1_1994	1
Mercury	EPA 7471B_(1/98)	1
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011-92	1,4
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8011-92	1,4
Diesel range organics (DRO)	EPA 8015D_4_(6/03)	1
Gasoline range organics (GRO)	EPA 8015D_4_(6/03)	1
4,4'-DDD	EPA 8081B_(2/07)	1
4,4'-DDE	EPA 8081B_(2/07)	1
4,4'-DDT	EPA 8081B_(2/07)	1
Aldrin	EPA 8081B_(2/07)	1
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B_(2/07)	1
alpha-Chlordane	EPA 8081B_(2/07)	1
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B_(2/07)	1
Chlordane (tech.)	EPA 8081B_(2/07)	1
delta-BHC	EPA 8081B_(2/07)	1
Dieldrin	EPA 8081B_(2/07)	1
Endosulfan I	EPA 8081B_(2/07)	1
Endosulfan II	EPA 8081B_(2/07)	1
Endosulfan sulfate	EPA 8081B_(2/07)	1
Endrin	EPA 8081B_(2/07)	1
Endrin aldehyde	EPA 8081B_(2/07)	1
Endrin ketone	EPA 8081B_(2/07)	1
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081B_(2/07)	1
gamma-Chlordane	EPA 8081B_(2/07)	1
Heptachlor	EPA 8081B_(2/07)	1
Heptachlor epoxide	EPA 8081B_(2/07)	1
Methoxychlor	EPA 8081B_(2/07)	1
Toxaphene (Chlorinated camphene)	EPA 8081B_(2/07)	1
Aroclor-1016 (PCB-1016)	EPA 8082A_(2/07)	1
Aroclor-1221 (PCB-1221)	EPA 8082A_(2/07)	1
Aroclor-1232 (PCB-1232)	EPA 8082A_(2/07)	1
Aroclor-1242 (PCB-1242)	EPA 8082A_(2/07)	1
Aroclor-1248 (PCB-1248)	EPA 8082A_(2/07)	1
Aroclor-1254 (PCB-1254)	EPA 8082A_(2/07)	1
Aroclor-1260 (PCB-1260)	EPA 8082A_(2/07)	1
Aroclor-1262 (PCB-1262)	EPA 8082A_(2/07)	1
Aroclor-1268 (PCB-1268)	EPA 8082A_(2/07)	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Diesel range organics (DRO)	WDOE NWTPH-Dx_(1997)	2,5
Motor Oil	WDOE NWTPH-Dx_(1997)	2,5
Gasoline range organics (GRO)	WDOE NWTPH-Gx_(1997)	2,5
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ENV-SOP-MIN4-0178	5
1H,1H,2H,2H,-Perfluorodecanesulfonic acid (8:2 FTS)	ENV-SOP-MIN4-0178	5
1H,1H,2H,2H,-Perfluorooctansulfonic acid (6:2 FTS)	ENV-SOP-MIN4-0178	5
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2-FTS)	ENV-SOP-MIN4-0178	5
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ENV-SOP-MIN4-0178	5
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ENV-SOP-MIN4-0178	5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ENV-SOP-MIN4-0178	5
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ENV-SOP-MIN4-0178	5
N-Ethylperfluorooctane sulfonamide (EtFOSA)	ENV-SOP-MIN4-0178	5
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ENV-SOP-MIN4-0178	5
N-Ethylperfluorooctanesulfonamidoethanol (EtFOSE)	ENV-SOP-MIN4-0178	5
N-Methylperfluorooctane sulfonamide (MeFOSA)	ENV-SOP-MIN4-0178	5
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ENV-SOP-MIN4-0178	5
N-Methylperfluorooctanesulfonamido ethanol (MeFOSE)	ENV-SOP-MIN4-0178	5
Perfluorobutane sulfonic acid (PFBS)	ENV-SOP-MIN4-0178	5
Perfluorobutanoic acid (PFBA)	ENV-SOP-MIN4-0178	5
Perfluorodecane sulfonic acid (PFDS)	ENV-SOP-MIN4-0178	5
Perfluorodecanoic acid (PFDA)	ENV-SOP-MIN4-0178	5
Perfluorododecane sulfonic acid (PFDoS)	ENV-SOP-MIN4-0178	5
Perfluorododecanoic acid (PFDoA)	ENV-SOP-MIN4-0178	5
Perfluoroheptane sulfonic acid (PFHpS)	ENV-SOP-MIN4-0178	5
Perfluoroheptanoic acid (PFHpA)	ENV-SOP-MIN4-0178	5
Perfluorohexadecanoic acid (PFHXDA)	ENV-SOP-MIN4-0178	5
Perfluorohexane sulfonic acid (PFHxS)	ENV-SOP-MIN4-0178	5
Perfluorohexanoic acid (PFHxA)	ENV-SOP-MIN4-0178	5
Perfluorononane sulfonic acid (PFNS)	ENV-SOP-MIN4-0178	5
Perfluorononanoic acid (PFNA)	ENV-SOP-MIN4-0178	5
Perfluorooctadecanoic acid (PFODA)	ENV-SOP-MIN4-0178	5
Perfluorooctane sulfonamide (PFOSA)	ENV-SOP-MIN4-0178	5
Perfluorooctane sulfonic acid (PFOS)	ENV-SOP-MIN4-0178	5
Perfluorooctanoic acid (PFOA)	ENV-SOP-MIN4-0178	5
Perfluoropentane sulfonic acid (PFPeS)	ENV-SOP-MIN4-0178	5
Perfluoropentanoic acid (PFPeA)	ENV-SOP-MIN4-0178	5
Perfluorotetradecanoic acid (PFTeDA)	ENV-SOP-MIN4-0178	5

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Perfluorotridecanoic acid (PFTrDA)	ENV-SOP-MIN4-0178	5
Perfluoroundecanoic acid (PFUnA)	ENV-SOP-MIN4-0178	5
2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl (BZ-206)	EPA 1668C_2010	1
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ-194)	EPA 1668C_2010	1
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (BZ-207)	EPA 1668C_2010	1
2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ-195)	EPA 1668C_2010	1
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (BZ-196)	EPA 1668C_2010	1
2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ-170)	EPA 1668C_2010	1
2,2',3,3',4,5,5',6'-Nonachlorobiphenyl (BZ-208)	EPA 1668C_2010	1
2,2',3,3',4,5,5'-Heptachlorobiphenyl (BZ-172)	EPA 1668C_2010	1
2,2',3,3',4,5',6'-Octachlorobiphenyl (BZ-201)	EPA 1668C_2010	1
2,2',3,3',4,5,6'-Heptachlorobiphenyl (BZ-174)	EPA 1668C_2010	1
2,2',3,3',4,5',6-Heptachlorobiphenyl (BZ-175)	EPA 1668C_2010	1
2,2',3,3',4,5',6'-Heptachlorobiphenyl (BZ-177)	EPA 1668C_2010	1
2,2',3,3',4,5'-Hexachlorobiphenyl (BZ-130)	EPA 1668C_2010	1
2,2',3,3',4,6,6'-Heptachlorobiphenyl (BZ-176)	EPA 1668C_2010	1
2,2',3,3',4,6-Hexachlorobiphenyl (BZ-131)	EPA 1668C_2010	1
2,2',3,3',4,6'-Hexachlorobiphenyl (BZ-132)	EPA 1668C_2010	1
2,2',3,3',4-Pentachlorobiphenyl (BZ-82)	EPA 1668C_2010	1
2,2',3,3',5,5',6'-Octachlorobiphenyl (BZ-202)	EPA 1668C_2010	1
2,2',3,3',5,5',6-Heptachlorobiphenyl (BZ-178)	EPA 1668C_2010	1
2,2',3,3',5,5'-Hexachlorobiphenyl (BZ-133)	EPA 1668C_2010	1
2,2',3,3',5,6,6'-Heptachlorobiphenyl (BZ-179)	EPA 1668C_2010	1
2,2',3,3',5-Pentachlorobiphenyl (BZ-83)	EPA 1668C_2010	1
2,2',3,3',6,6'-Hexachlorobiphenyl (BZ-136)	EPA 1668C_2010	1
2,2',3,3',6-Pentachlorobiphenyl (BZ-84)	EPA 1668C_2010	1
2,2',3,4,4',5,5',6-Octachlorobiphenyl (BZ-203)	EPA 1668C_2010	1
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (BZ-204)	EPA 1668C_2010	1
2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ-181)	EPA 1668C_2010	1
2,2',3,4,4',5,6'-Heptachlorobiphenyl (BZ-182)	EPA 1668C_2010	1
2,2',3,4,4',5-Hexachlorobiphenyl (BZ-137)	EPA 1668C_2010	1
2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ-184)	EPA 1668C_2010	1
2,2',3,4,5,5'-Hexachlorobiphenyl (BZ-141)	EPA 1668C_2010	1
2,2',3,4,5,5'-Hexachlorobiphenyl (BZ-146)	EPA 1668C_2010	1
2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ-186)	EPA 1668C_2010	1
2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ-188)	EPA 1668C_2010	1
2,2',3,4,5,6-Hexachlorobiphenyl (BZ-142)	EPA 1668C_2010	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
2,2',3,4,5',6-Hexachlorobiphenyl (BZ-144)	EPA 1668C_2010	1
2,2',3,4',5,6'-Hexachlorobiphenyl (BZ-148)	EPA 1668C_2010	1
2,2',3,4,6,6'-Hexachlorobiphenyl (BZ-145)	EPA 1668C_2010	1
2,2',3,4',6,6'-Hexachlorobiphenyl (BZ-150)	EPA 1668C_2010	1
2,2',3,4,6'-Pentachlorobiphenyl (BZ-89)	EPA 1668C_2010	1
2,2',3,4'-Tetrachlorobiphenyl (BZ-42)	EPA 1668C_2010	1
2,2',3,5,5'-Pentachlorobiphenyl (BZ-92)	EPA 1668C_2010	1
2,2',3,5,6,6'-Hexachlorobiphenyl (BZ-152)	EPA 1668C_2010	1
2,2',3,5,6'-Pentachlorobiphenyl (BZ-94)	EPA 1668C_2010	1
2,2',3,5',6-Pentachlorobiphenyl (BZ-95)	EPA 1668C_2010	1
2,2',3,6,6'-Pentachlorobiphenyl (BZ-96)	EPA 1668C_2010	1
2,2',3,6'-Tetrachlorobiphenyl (BZ-46)	EPA 1668C_2010	1
2,2',3-Trichlorobiphenyl (BZ-16)	EPA 1668C_2010	1
2,2',4,4',5,6'-Hexachlorobiphenyl (BZ-154)	EPA 1668C_2010	1
2,2',4,4',5-Pentachlorobiphenyl (BZ-99)	EPA 1668C_2010	1
2,2',4,4',6,6'-Hexachlorobiphenyl (BZ-155)	EPA 1668C_2010	1
2,2',4,5',6-Pentachlorobiphenyl (BZ-103)	EPA 1668C_2010	1
2,2',4,5-Tetrachlorobiphenyl (BZ-48)	EPA 1668C_2010	1
2,2',4,6,6'-Pentachlorobiphenyl (BZ-104)	EPA 1668C_2010	1
2,2',4-Trichlorobiphenyl (BZ-17)	EPA 1668C_2010	1
2,2',5,5'-Tetrachlorobiphenyl (BZ-52)	EPA 1668C_2010	1
2,2',6,6'-Tetrachlorobiphenyl (BZ-54)	EPA 1668C_2010	1
2,2',6-Trichlorobiphenyl (BZ-19)	EPA 1668C_2010	1
2,2'-Dichlorobiphenyl (BZ-4)	EPA 1668C_2010	1
2,3,3',4,4',5,5',6-Octachlorobiphenyl (BZ-205)	EPA 1668C_2010	1
2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ-189)	EPA 1668C_2010	1
2,3,3',4,4',5,6-Heptachlorobiphenyl (BZ-190)	EPA 1668C_2010	1
2,3,3',4,4',5',6-Heptachlorobiphenyl (BZ-191)	EPA 1668C_2010	1
2,3,3',4,4',6-Hexachlorobiphenyl (BZ-158)	EPA 1668C_2010	1
2,3,3',4,4'-Pentachlorobiphenyl (BZ-105)	EPA 1668C_2010	1
2,3,3',4,5,5',6-Heptachlorobiphenyl (BZ-192)	EPA 1668C_2010	1
2,3,3',4,5,5'-Hexachlorobiphenyl (BZ-159)	EPA 1668C_2010	1
2,3,3',4',5,5'-Hexachlorobiphenyl (BZ-162)	EPA 1668C_2010	1
2,3,3',4,5,6-Hexachlorobiphenyl (BZ-160)	EPA 1668C_2010	1
2,3,3',4',5',6-Hexachlorobiphenyl (BZ-164)	EPA 1668C_2010	1
2,3,3',4,5',6-Hexachlorobiphenyl (BZ-161)	EPA 1668C_2010	1
2,3,3',4,5-Pentachlorobiphenyl (BZ-106)	EPA 1668C_2010	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
2,3,3',4',5'-Pentachlorobiphenyl (BZ-122)	EPA 1668C_2010	1
2,3,3',4,6-Pentachlorobiphenyl (BZ-109)	EPA 1668C_2010	1
2,3,3',4-Tetrachlorobiphenyl (BZ-55)	EPA 1668C_2010	1
2,3,3',4'-Tetrachlorobiphenyl (BZ-56)	EPA 1668C_2010	1
2,3,3',5,5',6-Hexachlorobiphenyl (BZ-165)	EPA 1668C_2010	1
2,3,3',5,5'-Pentachlorobiphenyl (BZ-111)	EPA 1668C_2010	1
2,3,3',5,6-Pentachlorobiphenyl (BZ-112)	EPA 1668C_2010	1
2,3,3',5-Tetrachlorobiphenyl (BZ-57)	EPA 1668C_2010	1
2,3,3',5'-Tetrachlorobiphenyl (BZ-58)	EPA 1668C_2010	1
2,3',4,4',5,5'-Hexachlorobiphenyl (BZ-167)	EPA 1668C_2010	1
2,3,4,4',5-Pentachlorobiphenyl (BZ-114)	EPA 1668C_2010	1
2,3',4,4',5-Pentachlorobiphenyl (BZ-118)	EPA 1668C_2010	1
2,3',4,4',5'-Pentachlorobiphenyl (BZ-123)	EPA 1668C_2010	1
2,3,4,4'-Tetrachlorobiphenyl (BZ-60)	EPA 1668C_2010	1
2,3',4,4'-Tetrachlorobiphenyl (BZ-66)	EPA 1668C_2010	1
2,3',4,5,5'-Pentachlorobiphenyl (BZ-120)	EPA 1668C_2010	1
2,3',4,5',6-Pentachlorobiphenyl (BZ-121)	EPA 1668C_2010	1
2,3,4',5-Tetrachlorobiphenyl (BZ-63)	EPA 1668C_2010	1
2,3',4,5'-Tetrachlorobiphenyl (BZ-68)	EPA 1668C_2010	1
2,3',4,5-Tetrachlorobiphenyl (BZ-67)	EPA 1668C_2010	1
2,3,4',6-Tetrachlorobiphenyl (BZ-64)	EPA 1668C_2010	1
2,3,4'-Trichlorobiphenyl (BZ-22)	EPA 1668C_2010	1
2,3',4-Trichlorobiphenyl (BZ-25)	EPA 1668C_2010	1
2,3',5,5'-Tetrachlorobiphenyl (BZ-72)	EPA 1668C_2010	1
2,3',5',6-Tetrachlorobiphenyl (BZ-73)	EPA 1668C_2010	1
2,3,5-Trichlorobiphenyl (BZ-23)	EPA 1668C_2010	1
2,3',5'-Trichlorobiphenyl (BZ-34)	EPA 1668C_2010	1
2,3,6-Trichlorobiphenyl (BZ-24)	EPA 1668C_2010	1
2,3',6-Trichlorobiphenyl (BZ-27)	EPA 1668C_2010	1
2,3-Dichlorobiphenyl (BZ-5)	EPA 1668C_2010	1
2,3'-Dichlorobiphenyl (BZ-6)	EPA 1668C_2010	1
2,4',5-Trichlorobiphenyl (BZ-31)	EPA 1668C_2010	1
2,4',6-Trichlorobiphenyl (BZ-32)	EPA 1668C_2010	1
2,4-Dichlorobiphenyl (BZ-7)	EPA 1668C_2010	1
2,4'-Dichlorobiphenyl (BZ-8)	EPA 1668C_2010	1
2,5-Dichlorobiphenyl (BZ-9)	EPA 1668C_2010	1
2,6-Dichlorobiphenyl (BZ-10)	EPA 1668C_2010	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
2-Chlorobiphenyl (BZ-1)	EPA 1668C_2010	1
3,3',4,4',5,5'-Hexachlorobiphenyl (BZ-169)	EPA 1668C_2010	1
3,3',4,4',5-Pentachlorobiphenyl (BZ-126)	EPA 1668C_2010	1
3,3',4,4'-Tetrachlorobiphenyl (BZ-77)	EPA 1668C_2010	1
3,3',4,5'-Pentachlorobiphenyl (BZ-127)	EPA 1668C_2010	1
3,3',4,5-Tetrachlorobiphenyl (BZ-78)	EPA 1668C_2010	1
3,3',4,5'-Tetrachlorobiphenyl (BZ-79)	EPA 1668C_2010	1
3,3',4-Trichlorobiphenyl (BZ-35)	EPA 1668C_2010	1
3,3',5,5'-Tetrachlorobiphenyl (BZ-80)	EPA 1668C_2010	1
3,3',5-Trichlorobiphenyl (BZ-36)	EPA 1668C_2010	1
3,3'-Dichlorobiphenyl (BZ-11)	EPA 1668C_2010	1
3,4,4',5-Tetrachlorobiphenyl (BZ-81)	EPA 1668C_2010	1
3,4,4'-Trichlorobiphenyl (BZ-37)	EPA 1668C_2010	1
3,4,5-Trichlorobiphenyl (BZ-38)	EPA 1668C_2010	1
3,4',5-Trichlorobiphenyl (BZ-39)	EPA 1668C_2010	1
3,5-Dichlorobiphenyl (BZ-14)	EPA 1668C_2010	1
3-Chlorobiphenyl (BZ-2)	EPA 1668C_2010	1
4,4'-Dichlorobiphenyl (BZ-15)	EPA 1668C_2010	1
4-Chlorobiphenyl (BZ-3)	EPA 1668C_2010	1
Coelution - Dichlorobiphenyls (BZ-12 + BZ-13)	EPA 1668C_2010	1
Coelution - Heptachlorobiphenyls (BZ-171 + BZ-173)	EPA 1668C_2010	1
Coelution - Heptachlorobiphenyls (BZ-180 + BZ-193)	EPA 1668C_2010	1
Coelution - Heptachlorobiphenyls (BZ-183 + BZ-185)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-128 + BZ-166)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-129 + BZ-138 + BZ-163)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-134 + BZ-143)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-135 + BZ-151)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-139 + BZ-140)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-147 + BZ-149)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-153 + BZ-168)	EPA 1668C_2010	1
Coelution - Hexachlorobiphenyls (BZ-156 + BZ-157)	EPA 1668C_2010	1
Coelution - Octachlorobiphenyls (BZ-197 + BZ-200)	EPA 1668C_2010	1
Coelution - Octachlorobiphenyls (BZ-198 + BZ-199)	EPA 1668C_2010	1
Coelution - Pentachlorobiphenyls (BZ-107 + BZ-124)	EPA 1668C_2010	1
Coelution - Pentachlorobiphenyls (BZ-110 + BZ-115)	EPA 1668C_2010	1
Coelution - Pentachlorobiphenyls (BZ-85 + BZ-116 + BZ-117)	EPA 1668C_2010	1
Coelution - Pentachlorobiphenyls (BZ-88 + BZ-91)	EPA 1668C_2010	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Coelution - Pentachlorobiphenyls (BZ-90 + BZ-101 + BZ-113)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-40 + BZ-41 + BZ-71)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-44 + BZ-47 + BZ-65)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-45 + BZ-51)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-49 + BZ-69)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-50 + BZ-53)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-59 + BZ-62 + BZ-75)	EPA 1668C_2010	1
Coelution - Tetrachlorobiphenyls (BZ-61 + BZ-70 + BZ-74 + BZ-76)	EPA 1668C_2010	1
Coelution - Trichlorobiphenyls (BZ-18 + BZ-30)	EPA 1668C_2010	1
Coelution - Trichlorobiphenyls (BZ-20 + BZ-28)	EPA 1668C_2010	1
Coelution - Trichlorobiphenyls (BZ-21 + BZ-33)	EPA 1668C_2010	1
Coelution - Trichlorobiphenyls (BZ-26 + BZ-29)	EPA 1668C_2010	1
Coelution-Hexachlorobiphenyls (BZ-129+BZ-138+BZ-160+BZ-163)	EPA 1668C_2010	1
Coelution-Pentachlorobiphenyls (BZ-93 + BZ-98 + BZ-100 + BZ-102)	EPA 1668C_2010	1
Decachlorobiphenyl (BZ-209)	EPA 1668C_2010	1
PCBs, as congeners	EPA 1668C_2010	1
1,1,1,2-Tetrachloroethane	EPA 8260D_4_(6/18)	1
1,1,1-Trichloroethane	EPA 8260D_4_(6/18)	1
1,1,2,2-Tetrachloroethane	EPA 8260D_4_(6/18)	1
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D_4_(6/18)	1
1,1,2-Trichloroethane	EPA 8260D_4_(6/18)	1
1,1-Dichloroethane	EPA 8260D_4_(6/18)	1
1,1-Dichloroethylene	EPA 8260D_4_(6/18)	1
1,1-Dichloropropene	EPA 8260D_4_(6/18)	1
1,2,3-Trichlorobenzene	EPA 8260D_4_(6/18)	1
1,2,3-Trichloropropane	EPA 8260D_4_(6/18)	1
1,2,3-Trimethylbenzene	EPA 8260D_4_(6/18)	1
1,2,4-Trichlorobenzene	EPA 8260D_4_(6/18)	1
1,2,4-Trimethylbenzene	EPA 8260D_4_(6/18)	1
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D_4_(6/18)	1
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D_4_(6/18)	1
1,2-Dichlorobenzene	EPA 8260D_4_(6/18)	1
1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D_4_(6/18)	1
1,2-Dichloropropane	EPA 8260D_4_(6/18)	1
1,3,5-Trimethylbenzene	EPA 8260D_4_(6/18)	1
1,3-Dichlorobenzene	EPA 8260D_4_(6/18)	1
1,3-Dichloropropane	EPA 8260D_4_(6/18)	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
1,4-Dichlorobenzene	EPA 8260D_4_(6/18)	1
1,4-Dioxane (1,4- Diethyleneoxide)	EPA 8260D_4_(6/18)	1
2,2-Dichloropropane	EPA 8260D_4_(6/18)	1
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D_4_(6/18)	1
2-Chloroethyl vinyl ether	EPA 8260D_4_(6/18)	1
2-Chlorotoluene	EPA 8260D_4_(6/18)	1
2-Hexanone	EPA 8260D_4_(6/18)	1
2-Methylnaphthalene	EPA 8260D_4_(6/18)	1
4-Chlorotoluene	EPA 8260D_4_(6/18)	1
4-Isopropyltoluene (p-Cymene)	EPA 8260D_4_(6/18)	1
4-Methyl-2-pentanone (MIBK)	EPA 8260D_4_(6/18)	1
Acetone	EPA 8260D_4_(6/18)	1
Acrolein (Propenal)	EPA 8260D_4_(6/18)	1
Acrylonitrile	EPA 8260D_4_(6/18)	1
Allyl chloride (3-Chloropropene)	EPA 8260D_4_(6/18)	1
Benzene	EPA 8260D_4_(6/18)	1
Bromobenzene	EPA 8260D_4_(6/18)	1
Bromochloromethane	EPA 8260D_4_(6/18)	1
Bromodichloromethane	EPA 8260D_4_(6/18)	1
Bromoform	EPA 8260D_4_(6/18)	1
Carbon disulfide	EPA 8260D_4_(6/18)	1
Carbon tetrachloride	EPA 8260D_4_(6/18)	1
Chlorobenzene	EPA 8260D_4_(6/18)	1
Chlorodibromomethane	EPA 8260D_4_(6/18)	1
Chloroethane (Ethyl chloride)	EPA 8260D_4_(6/18)	1
Chloroform	EPA 8260D_4_(6/18)	1
cis & trans-1,2-Dichloroethene	EPA 8260D_4_(6/18)	1
cis-1,2-Dichloroethylene	EPA 8260D_4_(6/18)	1
cis-1,3-Dichloropropene	EPA 8260D_4_(6/18)	1
Cyclohexane	EPA 8260D_4_(6/18)	1
Dibromomethane	EPA 8260D_4_(6/18)	1
Dichlorodifluoromethane (Freon-12)	EPA 8260D_4_(6/18)	1
Dichlorofluoromethane (Freon 21)	EPA 8260D_4_(6/18)	1
Diethyl ether	EPA 8260D_4_(6/18)	1
Di-isopropylether (DIPE)	EPA 8260D_4_(6/18)	1
Ethylbenzene	EPA 8260D_4_(6/18)	1
Hexachlorobutadiene	EPA 8260D_4_(6/18)	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Iodomethane (Methyl iodide)	EPA 8260D_4_(6/18)	1
Isopropylbenzene	EPA 8260D_4_(6/18)	1
m+p-xylene	EPA 8260D_4_(6/18)	1
Methyl bromide (Bromomethane)	EPA 8260D_4_(6/18)	1
Methyl chloride (Chloromethane)	EPA 8260D_4_(6/18)	1
Methyl tert-butyl ether (MTBE)	EPA 8260D_4_(6/18)	1
Methylene chloride (Dichloromethane)	EPA 8260D_4_(6/18)	1
Naphthalene	EPA 8260D_4_(6/18)	1
n-Butylbenzene	EPA 8260D_4_(6/18)	1
n-Hexane	EPA 8260D_4_(6/18)	1
n-Propylbenzene	EPA 8260D_4_(6/18)	1
o-Xylene	EPA 8260D_4_(6/18)	1
sec-Butylbenzene	EPA 8260D_4_(6/18)	1
Styrene	EPA 8260D_4_(6/18)	1
tert-Butylbenzene	EPA 8260D_4_(6/18)	1
Tetrachloroethylene (Perchloroethylene)	EPA 8260D_4_(6/18)	1
Tetrahydrofuran (THF)	EPA 8260D_4_(6/18)	1
Toluene	EPA 8260D_4_(6/18)	1
trans-1,2-Dichloroethylene	EPA 8260D_4_(6/18)	1
trans-1,3-Dichloropropylene	EPA 8260D_4_(6/18)	1
trans-1,4-Dichloro-2-butene	EPA 8260D_4_(6/18)	1
Trichloroethene (Trichloroethylene)	EPA 8260D_4_(6/18)	1
Trichlorofluoromethane (Freon 11)	EPA 8260D_4_(6/18)	1
Vinyl acetate	EPA 8260D_4_(6/18)	1
Vinyl chloride	EPA 8260D_4_(6/18)	1
Xylene (total)	EPA 8260D_4_(6/18)	1
1,2,4-Trichlorobenzene	EPA 8270E_6_(6/18)	1
1,2-Dichlorobenzene	EPA 8270E_6_(6/18)	1
1,2-Diphenylhydrazine	EPA 8270E_6_(6/18)	1
1,3-Dichlorobenzene	EPA 8270E_6_(6/18)	1
1,3-Dinitrobenzene (1,3-DNB)	EPA 8270E_6_(6/18)	1
1,4-Dichlorobenzene	EPA 8270E_6_(6/18)	1
1,4-Dioxane (1,4- Diethyleneoxide)	EPA 8270E_6_(6/18)	1,4
1-Methylnaphthalene	EPA 8270E_6_(6/18)	1
2,2'-Oxybis(1-chloropropane)	EPA 8270E_6_(6/18)	1
2,4,5-Trichlorophenol	EPA 8270E_6_(6/18)	1
2,4,6-Trichlorophenol	EPA 8270E_6_(6/18)	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
2,4-Dichlorophenol	EPA 8270E_6_(6/18)	1
2,4-Dimethylphenol	EPA 8270E_6_(6/18)	1
2,4-Dinitrophenol	EPA 8270E_6_(6/18)	1
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E_6_(6/18)	1
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E_6_(6/18)	1
2-Chloronaphthalene	EPA 8270E_6_(6/18)	1
2-Chlorophenol	EPA 8270E_6_(6/18)	1
2-Methylnaphthalene	EPA 8270E_6_(6/18)	1
2-Methylphenol (o-Cresol)	EPA 8270E_6_(6/18)	1
2-Nitroaniline	EPA 8270E_6_(6/18)	1
2-Nitrophenol	EPA 8270E_6_(6/18)	1
3,3'-Dichlorobenzidine	EPA 8270E_6_(6/18)	1
3-Methylcholanthrene	EPA 8270E_6_(6/18)	1
3-Methylphenol (m-Cresol)	EPA 8270E_6_(6/18)	1
3-Nitroaniline	EPA 8270E_6_(6/18)	1
4,6-Dinitro-2-methylphenol	EPA 8270E_6_(6/18)	1
4-Bromophenyl phenyl ether (BDE-3)	EPA 8270E_6_(6/18)	1
4-Chloro-3-methylphenol	EPA 8270E_6_(6/18)	1
4-Chloroaniline	EPA 8270E_6_(6/18)	1
4-Chlorophenyl phenylether	EPA 8270E_6_(6/18)	1
4-Methylphenol (p-Cresol)	EPA 8270E_6_(6/18)	1
4-Nitroaniline	EPA 8270E_6_(6/18)	1
4-Nitrophenol	EPA 8270E_6_(6/18)	1
5-Methylchrysene	EPA 8270E_6_(6/18)	1
5-Nitroacenaphthene	EPA 8270E_6_(6/18)	1
6-Nitrochrysene	EPA 8270E_6_(6/18)	1
7,12-Dimethylbenz(a) anthracene	EPA 8270E_6_(6/18)	1
7h-Dibenzo(c, g) carbazole	EPA 8270E_6_(6/18)	1
Acenaphthene	EPA 8270E_6_(6/18)	1
Acenaphthylene	EPA 8270E_6_(6/18)	1
Anthracene	EPA 8270E_6_(6/18)	1
Benzidine	EPA 8270E_6_(6/18)	1
Benzo(a)anthracene	EPA 8270E_6_(6/18)	1
Benzo(a)pyrene	EPA 8270E_6_(6/18)	1
Benzo(e)pyrene	EPA 8270E_6_(6/18)	1
Benzo(g,h,i)perylene	EPA 8270E_6_(6/18)	1
Benzo(j)fluoranthene	EPA 8270E_6_(6/18)	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Benzo(k)fluoranthene	EPA 8270E_6_(6/18)	1
Benzo[b]fluoranthene	EPA 8270E_6_(6/18)	1
Benzoic acid	EPA 8270E_6_(6/18)	1
Benzyl alcohol	EPA 8270E_6_(6/18)	1
bis(2-Chloroethoxy)methane	EPA 8270E_6_(6/18)	1
bis(2-Chloroethyl) ether	EPA 8270E_6_(6/18)	1
bis(2-Chloroisopropyl) ether	EPA 8270E_6_(6/18)	1
Butyl benzyl phthalate	EPA 8270E_6_(6/18)	1
Carbazole	EPA 8270E_6_(6/18)	1
Chrysene	EPA 8270E_6_(6/18)	1
Di(2-ethylhexyl)phthalate	EPA 8270E_6_(6/18)	1
Dibenz(a,h) acridine	EPA 8270E_6_(6/18)	1
Dibenz(a,h) anthracene	EPA 8270E_6_(6/18)	1
Dibenz(a,j) acridine	EPA 8270E_6_(6/18)	1
Dibenzo(a,e) pyrene	EPA 8270E_6_(6/18)	1
Dibenzo(a,h) pyrene	EPA 8270E_6_(6/18)	1
Dibenzo(a,i) pyrene	EPA 8270E_6_(6/18)	1
Dibenzo(a,l)pyrene	EPA 8270E_6_(6/18)	1
Dibenzofuran	EPA 8270E_6_(6/18)	1
Diethyl phthalate	EPA 8270E_6_(6/18)	1
Dimethyl phthalate	EPA 8270E_6_(6/18)	1
Di-n-butyl phthalate	EPA 8270E_6_(6/18)	1
Di-n-octyl phthalate	EPA 8270E_6_(6/18)	1
Fluoranthene	EPA 8270E_6_(6/18)	1
Fluorene	EPA 8270E_6_(6/18)	1
Hexachlorobenzene	EPA 8270E_6_(6/18)	1
Hexachlorobutadiene	EPA 8270E_6_(6/18)	1
Hexachlorocyclopentadiene	EPA 8270E_6_(6/18)	1
Hexachloroethane	EPA 8270E_6_(6/18)	1
Indeno(1,2,3-cd) pyrene	EPA 8270E_6_(6/18)	1
Isophorone	EPA 8270E_6_(6/18)	1
m+p Cresol	EPA 8270E_6_(6/18)	1
Naphthalene	EPA 8270E_6_(6/18)	1
Nitrobenzene	EPA 8270E_6_(6/18)	1
n-Nitrosodimethylamine	EPA 8270E_6_(6/18)	1
N-Nitroso-di-n-propylamine	EPA 8270E_6_(6/18)	1
n-Nitrosodiphenylamine	EPA 8270E_6_(6/18)	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Pentachlorophenol	EPA 8270E_6_(6/18)	1
Perylene	EPA 8270E_6_(6/18)	1
Phenanthrene	EPA 8270E_6_(6/18)	1
Phenol	EPA 8270E_6_(6/18)	1
Pyrene	EPA 8270E_6_(6/18)	1
Pyridine	EPA 8270E_6_(6/18)	1
Quinoline	EPA 8270E_6_(6/18)	1
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8280B_2_(2/07)	1
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8280B_2_(2/07)	1
1,2,3,4,6,7,8-Hpcdd	EPA 8280B_2_(2/07)	1
1,2,3,4,6,7,8-Hpcdf	EPA 8280B_2_(2/07)	1
1,2,3,4,7,8,9-Hpcdf	EPA 8280B_2_(2/07)	1
1,2,3,4,7,8-Hxcdd	EPA 8280B_2_(2/07)	1
1,2,3,4,7,8-Hxcdf	EPA 8280B_2_(2/07)	1
1,2,3,6,7,8-Hxcdd	EPA 8280B_2_(2/07)	1
1,2,3,6,7,8-Hxcdf	EPA 8280B_2_(2/07)	1
1,2,3,7,8,9-Hxcdd	EPA 8280B_2_(2/07)	1
1,2,3,7,8,9-Hxcdf	EPA 8280B_2_(2/07)	1
1,2,3,7,8-Pecdd	EPA 8280B_2_(2/07)	1
1,2,3,7,8-Pecdf	EPA 8280B_2_(2/07)	1
2,3,4,6,7,8-Hxcdf	EPA 8280B_2_(2/07)	1
2,3,4,7,8-Pecdf	EPA 8280B_2_(2/07)	1
2,3,7,8-TCDD	EPA 8280B_2_(2/07)	1
2,3,7,8-TCDF	EPA 8280B_2_(2/07)	1
Hpcdd, total	EPA 8280B_2_(2/07)	1
Hpcdf, total	EPA 8280B_2_(2/07)	1
Hxcdd, total	EPA 8280B_2_(2/07)	1
Hxcdf, total	EPA 8280B_2_(2/07)	1
Pecdd, total	EPA 8280B_2_(2/07)	1
Pecdf, total	EPA 8280B_2_(2/07)	1
TCDD, total	EPA 8280B_2_(2/07)	1
TCDF, total	EPA 8280B_2_(2/07)	1
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290A_1_(2/07)	1
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290A_1_(2/07)	1
1,2,3,4,6,7,8-Hpcdd	EPA 8290A_1_(2/07)	1
1,2,3,4,6,7,8-Hpcdf	EPA 8290A_1_(2/07)	1
1,2,3,4,7,8,9-Hpcdf	EPA 8290A_1_(2/07)	1

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
1,2,3,4,7,8-Hxcdd	EPA 8290A_1_(2/07)	1
1,2,3,4,7,8-Hxcdf	EPA 8290A_1_(2/07)	1
1,2,3,6,7,8-Hxcdd	EPA 8290A_1_(2/07)	1
1,2,3,6,7,8-Hxcdf	EPA 8290A_1_(2/07)	1
1,2,3,7,8,9-Hxcdd	EPA 8290A_1_(2/07)	1
1,2,3,7,8,9-Hxcdf	EPA 8290A_1_(2/07)	1
1,2,3,7,8-Pecdd	EPA 8290A_1_(2/07)	1
1,2,3,7,8-Pecdf	EPA 8290A_1_(2/07)	1
2,3,4,6,7,8-Hxcdf	EPA 8290A_1_(2/07)	1
2,3,4,7,8-Pecdf	EPA 8290A_1_(2/07)	1
2,3,7,8-TCDD	EPA 8290A_1_(2/07)	1
2,3,7,8-TCDF	EPA 8290A_1_(2/07)	1
Hpcdd, total	EPA 8290A_1_(2/07)	1
Hpcdf, total	EPA 8290A_1_(2/07)	1
Hxcdd, total	EPA 8290A_1_(2/07)	1
Hxcdf, total	EPA 8290A_1_(2/07)	1
Pecdd, total	EPA 8290A_1_(2/07)	1
Pecdf, total	EPA 8290A_1_(2/07)	1
TCDD, total	EPA 8290A_1_(2/07)	1
TCDF, total	EPA 8290A_1_(2/07)	1

Accredited Parameter Note Detail

(1) Accreditation based in part on recognition of Minnesota NELAP accreditation. (2) Washington Department of Ecology Analytical Methods for Petroleum Hydrocarbons, Publication Number ECY 97-602, June 1997. (3) Approved for compliance testing only when holding time is met. (4) Accreditation limited to water. (5) Accreditation based in part on recognition of Oregon NELAP accreditation.



06/10/2022

Authentication Signature

Date

Rebecca Wood, Lab Accreditation Unit Supervisor