ANALYTICAL REPORT

May 19, 2025

Revised Report

Pace Analytical Services, LLC
2025.05.19 12:34:52 -05'00'
Document is certified

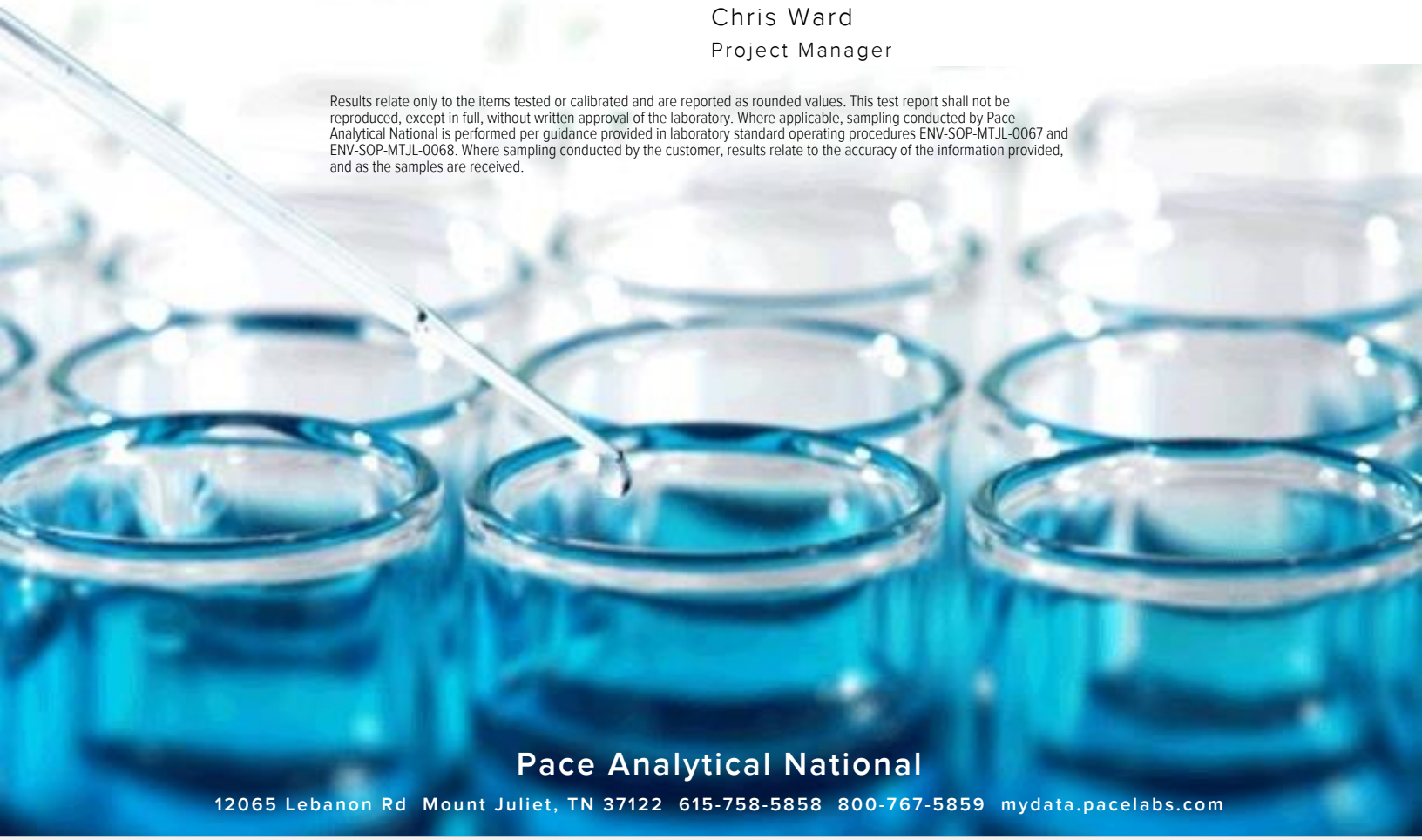
Occidental Petroleum Corporation

Sample Delivery Group:	L1855493
Samples Received:	05/06/2025
Project Number:	
Description:	Webber24,9 Edington Lillvand Facility

Report To: Daniel Coloccia
PO Box 4995
The Woodlands, TX 77387

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

PW-B01@4' L1855493-01

Collected by: Christine Bilas | Collected date/time: 05/05/25 09:34 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2510753	1	05/14/25 10:10	05/14/25 10:10	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514168	1	05/13/25 18:10	05/14/25 14:22	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514390	1	05/14/25 05:53	05/14/25 06:06	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514391	1	05/14/25 05:57	05/14/25 08:58	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2510780	1	05/13/25 21:28	05/14/25 11:11	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513246	5	05/13/25 10:40	05/13/25 18:34	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2511775	1	05/08/25 11:14	05/10/25 05:43	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2511513	1	05/08/25 11:14	05/09/25 19:51	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2512293	1	05/12/25 07:55	05/12/25 21:46	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2510554	1	05/09/25 08:58	05/09/25 20:11	CMF	Mt. Juliet, TN

PW-E01@2' L1855493-02

Collected by: Christine Bilas | Collected date/time: 05/05/25 09:42 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2510753	1	05/14/25 10:11	05/14/25 10:11	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514209	1	05/13/25 18:16	05/14/25 17:13	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514390	1	05/14/25 05:53	05/14/25 06:06	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514391	1	05/14/25 05:57	05/14/25 08:58	RJP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2510780	1	05/13/25 21:28	05/14/25 11:13	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513246	5	05/13/25 10:40	05/13/25 18:37	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2511775	1	05/08/25 11:14	05/10/25 06:05	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2511513	1	05/08/25 11:14	05/09/25 20:10	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2512293	1	05/12/25 07:55	05/12/25 21:17	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2510554	1	05/09/25 08:58	05/09/25 20:28	CMF	Mt. Juliet, TN

AST-B01@3" L1855493-03

Collected by: Christine Bilas | Collected date/time: 05/05/25 09:56 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 18:58	05/14/25 18:58	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514209	1	05/13/25 18:16	05/14/25 18:09	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:05	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513246	5	05/13/25 10:40	05/13/25 18:40	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2511775	1	05/08/25 11:14	05/10/25 06:28	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2511513	1	05/08/25 11:14	05/09/25 20:30	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2512293	1	05/12/25 07:55	05/12/25 21:03	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2510554	1	05/09/25 08:58	05/09/25 20:46	CMF	Mt. Juliet, TN

SEP-B01@3" L1855493-04

Collected by: Christine Bilas | Collected date/time: 05/05/25 10:10 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:01	05/14/25 19:01	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514209	1	05/13/25 18:16	05/14/25 18:19	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:07	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513246	5	05/13/25 10:40	05/13/25 18:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2511775	1	05/08/25 11:14	05/10/25 06:50	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2511513	1	05/08/25 11:14	05/09/25 20:50	DYW	Mt. Juliet, TN

SEP-B01@3" L1855493-04

Collected by: Christine Bilas | Collected date/time: 05/05/25 10:10 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2512293	1	05/12/25 07:55	05/12/25 20:49	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2510554	1	05/09/25 08:58	05/09/25 21:03	CMF	Mt. Juliet, TN

SEP-B02@3" L1855493-05

Collected by: Christine Bilas | Collected date/time: 05/05/25 10:12 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:04	05/14/25 19:04	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514168	1	05/13/25 18:10	05/14/25 14:07	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:09	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513247	5	05/13/25 09:29	05/13/25 19:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2511775	1	05/08/25 11:14	05/10/25 07:13	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2511513	1	05/08/25 11:14	05/09/25 21:10	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2512293	1	05/12/25 07:55	05/12/25 20:21	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2510554	1	05/09/25 08:58	05/09/25 21:21	CMF	Mt. Juliet, TN

PW-BG01@3' L1855493-06

Collected by: Christine Bilas | Collected date/time: 05/05/25 12:30 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:07	05/14/25 19:07	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514165	1	05/13/25 18:21	05/14/25 06:47	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:10	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513247	5	05/13/25 09:29	05/13/25 22:45	LD	Mt. Juliet, TN

PW-BG01@6' L1855493-07

Collected by: Christine Bilas | Collected date/time: 05/05/25 12:32 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:09	05/14/25 19:09	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514168	1	05/13/25 18:10	05/14/25 14:51	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:12	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513247	5	05/13/25 09:29	05/13/25 22:48	LD	Mt. Juliet, TN

PW-BG02@3' L1855493-08

Collected by: Christine Bilas | Collected date/time: 05/05/25 12:36 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:12	05/14/25 19:12	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514165	1	05/13/25 18:21	05/14/25 06:56	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:14	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513247	5	05/13/25 09:29	05/13/25 22:51	LD	Mt. Juliet, TN

PW-BG02@6' L1855493-09

Collected by: Christine Bilas | Collected date/time: 05/05/25 12:38 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:15	05/14/25 19:15	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514165	1	05/13/25 18:21	05/14/25 07:46	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:15	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513247	5	05/13/25 09:29	05/13/25 22:55	LD	Mt. Juliet, TN

PW-BG03@3' L1855493-10

Collected by: Christine Bilas | Collected date/time: 05/05/25 12:45 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:18	05/14/25 19:18	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514165	1	05/13/25 18:21	05/14/25 08:31	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:20	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513247	5	05/13/25 09:29	05/13/25 22:58	LD	Mt. Juliet, TN

PW-BG03@6' L1855493-11

Collected by: Christine Bilas | Collected date/time: 05/05/25 12:47 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:20	05/14/25 19:20	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514168	1	05/13/25 18:10	05/14/25 15:53	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:22	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513247	5	05/13/25 09:29	05/13/25 23:01	LD	Mt. Juliet, TN

AST-BG01@6" L1855493-12

Collected by: Christine Bilas | Collected date/time: 05/05/25 12:52 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:29	05/14/25 19:29	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514165	1	05/13/25 18:21	05/14/25 08:40	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:23	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513247	5	05/13/25 09:29	05/13/25 23:04	LD	Mt. Juliet, TN

AST-BG02@6" L1855493-13

Collected by: Christine Bilas | Collected date/time: 05/05/25 12:54 | Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:31	05/14/25 19:31	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514165	1	05/13/25 18:21	05/14/25 08:49	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:25	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513247	5	05/13/25 09:29	05/13/25 23:07	LD	Mt. Juliet, TN

AST-BG03@6" L1855493-14

Collected by: Christine Bilas
Collected date/time: 05/05/25 12:56
Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:34	05/14/25 19:34	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514165	1	05/13/25 18:21	05/14/25 08:58	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:27	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513247	5	05/13/25 09:29	05/13/25 23:10	LD	Mt. Juliet, TN

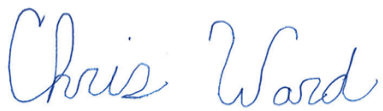
AST-BG04@6" L1855493-15

Collected by: Christine Bilas
Collected date/time: 05/05/25 12:58
Received date/time: 05/06/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509422	1	05/14/25 19:37	05/14/25 19:37	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2514168	1	05/13/25 18:10	05/14/25 15:20	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2514983	1	05/14/25 15:05	05/14/25 21:50	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2514986	1	05/14/25 15:06	05/15/25 11:59	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2509424	1	05/13/25 15:24	05/14/25 09:28	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2513247	5	05/13/25 09:29	05/13/25 23:13	LD	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward
Project Manager

Report Revision History

Level II Report - Version 1: 05/16/25 16:23

Project Narrative

Report regenerated to correct site name and add depth symbols to sample IDs - CMW

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.354		1	05/14/2025 10:10	WG2510753

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 14:22	WG2514168

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.45	T8	1	05/14/2025 06:06	WG2514390

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.144	mmhos/cm		0.0100	1	05/14/2025 08:58	WG2514391

Sample Narrative:

L1855493-01 WG2514391: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/14/2025 11:11	WG2510780

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	0.788		0.200	5	05/13/2025 18:34	WG2513246
Barium	25.4		10.0	5	05/13/2025 18:34	WG2513246
Cadmium	ND		0.200	5	05/13/2025 18:34	WG2513246
Copper	ND		10.0	5	05/13/2025 18:34	WG2513246
Lead	ND		10.0	5	05/13/2025 18:34	WG2513246
Nickel	ND		10.0	5	05/13/2025 18:34	WG2513246
Selenium	ND		0.200	5	05/13/2025 18:34	WG2513246
Silver	ND		0.500	5	05/13/2025 18:34	WG2513246
Zinc	ND		50.0	5	05/13/2025 18:34	WG2513246

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/10/2025 05:43	WG2511775
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*05/10/2025 05:43*	WG2511775

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00200	1	05/09/2025 19:51	WG2511513
Ethylbenzene	ND		0.0100	1	05/09/2025 19:51	WG2511513
Toluene	0.0230		0.0100	1	05/09/2025 19:51	WG2511513
1,2,4-Trimethylbenzene	0.0147		0.00500	1	05/09/2025 19:51	WG2511513
1,3,5-Trimethylbenzene	0.00541		0.00500	1	05/09/2025 19:51	WG2511513

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Xylenes, Total	ND		0.100	1	05/09/2025 19:51	WG2511513
(S) Toluene-d8	*121*		*75.0-131*		*05/09/2025 19:51*	WG2511513
(S) 4-Bromofluorobenzene	*85.5*		*67.0-138*		*05/09/2025 19:51*	WG2511513
(S) 1,2-Dichloroethane-d4	*86.4*		*70.0-130*		*05/09/2025 19:51*	WG2511513

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	13.7		4.00	1	05/12/2025 21:46	WG2512293
C28-C36 Motor Oil Range	25.9		4.00	1	05/12/2025 21:46	WG2512293
(S) o-Terphenyl	*59.9*		*18.0-148*		*05/12/2025 21:46*	WG2512293

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/09/2025 20:11	WG2510554
Acenaphthene	ND		0.0330	1	05/09/2025 20:11	WG2510554
Benzo(a)anthracene	ND		0.00600	1	05/09/2025 20:11	WG2510554
Benzo(a)pyrene	ND		0.0330	1	05/09/2025 20:11	WG2510554
Benzo(b)fluoranthene	ND		0.0330	1	05/09/2025 20:11	WG2510554
Benzo(k)fluoranthene	ND		0.0330	1	05/09/2025 20:11	WG2510554
Chrysene	ND		0.0330	1	05/09/2025 20:11	WG2510554
Dibenz(a,h)anthracene	ND		0.0330	1	05/09/2025 20:11	WG2510554
Fluoranthene	ND		0.0330	1	05/09/2025 20:11	WG2510554
Fluorene	ND		0.0330	1	05/09/2025 20:11	WG2510554
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/09/2025 20:11	WG2510554
Naphthalene	ND		0.00300	1	05/09/2025 20:11	WG2510554
Pyrene	ND		0.0330	1	05/09/2025 20:11	WG2510554
1-Methylnaphthalene	ND		0.00300	1	05/09/2025 20:11	WG2510554
2-Methylnaphthalene	ND		0.0120	1	05/09/2025 20:11	WG2510554
(S) p-Terphenyl-d14	*88.1*		*23.0-120*		*05/09/2025 20:11*	WG2510554
(S) Nitrobenzene-d5	*80.2*		*14.0-149*		*05/09/2025 20:11*	WG2510554
(S) 2-Fluorobiphenyl	*92.0*		*34.0-125*		*05/09/2025 20:11*	WG2510554

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.101		1	05/14/2025 10:11	WG2510753

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 17:13	WG2514209

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.37	T8	1	05/14/2025 06:06	WG2514390

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.156	mmhos/cm		0.0100	1	05/14/2025 08:58	WG2514391

Sample Narrative:

L1855493-02 WG2514391: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/14/2025 11:13	WG2510780

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.14		0.200	5	05/13/2025 18:37	WG2513246
Barium	50.6		10.0	5	05/13/2025 18:37	WG2513246
Cadmium	ND		0.200	5	05/13/2025 18:37	WG2513246
Copper	ND		10.0	5	05/13/2025 18:37	WG2513246
Lead	ND		10.0	5	05/13/2025 18:37	WG2513246
Nickel	ND		10.0	5	05/13/2025 18:37	WG2513246
Selenium	0.223		0.200	5	05/13/2025 18:37	WG2513246
Silver	ND		0.500	5	05/13/2025 18:37	WG2513246
Zinc	ND		50.0	5	05/13/2025 18:37	WG2513246

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/10/2025 06:05	WG2511775
(S) a,a,a-Trifluorotoluene(FID)	*99.1*		*77.0-120*		*05/10/2025 06:05*	WG2511775

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00200	1	05/09/2025 20:10	WG2511513
Ethylbenzene	ND		0.0100	1	05/09/2025 20:10	WG2511513
Toluene	ND		0.0100	1	05/09/2025 20:10	WG2511513
1,2,4-Trimethylbenzene	ND		0.00500	1	05/09/2025 20:10	WG2511513
1,3,5-Trimethylbenzene	ND		0.00500	1	05/09/2025 20:10	WG2511513

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Xylenes, Total	ND		0.100	1	05/09/2025 20:10	WG2511513
(S) Toluene-d8	*121*		*75.0-131*		*05/09/2025 20:10*	WG2511513
(S) 4-Bromofluorobenzene	*88.8*		*67.0-138*		*05/09/2025 20:10*	WG2511513
(S) 1,2-Dichloroethane-d4	*86.0*		*70.0-130*		*05/09/2025 20:10*	WG2511513

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	05/12/2025 21:17	WG2512293
C28-C36 Motor Oil Range	4.30		4.00	1	05/12/2025 21:17	WG2512293
(S) o-Terphenyl	*60.8*		*18.0-148*		*05/12/2025 21:17*	WG2512293

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/09/2025 20:28	WG2510554
Acenaphthene	ND		0.0330	1	05/09/2025 20:28	WG2510554
Benzo(a)anthracene	ND		0.00600	1	05/09/2025 20:28	WG2510554
Benzo(a)pyrene	ND		0.0330	1	05/09/2025 20:28	WG2510554
Benzo(b)fluoranthene	ND		0.0330	1	05/09/2025 20:28	WG2510554
Benzo(k)fluoranthene	ND		0.0330	1	05/09/2025 20:28	WG2510554
Chrysene	ND		0.0330	1	05/09/2025 20:28	WG2510554
Dibenz(a,h)anthracene	ND		0.0330	1	05/09/2025 20:28	WG2510554
Fluoranthene	ND		0.0330	1	05/09/2025 20:28	WG2510554
Fluorene	ND		0.0330	1	05/09/2025 20:28	WG2510554
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/09/2025 20:28	WG2510554
Naphthalene	ND		0.00300	1	05/09/2025 20:28	WG2510554
Pyrene	ND		0.0330	1	05/09/2025 20:28	WG2510554
1-Methylnaphthalene	ND		0.00300	1	05/09/2025 20:28	WG2510554
2-Methylnaphthalene	ND		0.0120	1	05/09/2025 20:28	WG2510554
(S) p-Terphenyl-d14	*79.5*		*23.0-120*		*05/09/2025 20:28*	WG2510554
(S) Nitrobenzene-d5	*78.0*		*14.0-149*		*05/09/2025 20:28*	WG2510554
(S) 2-Fluorobiphenyl	*87.0*		*34.0-125*		*05/09/2025 20:28*	WG2510554

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.264		1	05/14/2025 18:58	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 18:09	WG2514209

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.27		1	05/14/2025 21:50	WG2514983

Sample Narrative:
L1855493-03 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.232	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:
L1855493-03 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/14/2025 09:05	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	0.937		0.200	5	05/13/2025 18:40	WG2513246
Barium	31.5		10.0	5	05/13/2025 18:40	WG2513246
Cadmium	ND		0.200	5	05/13/2025 18:40	WG2513246
Copper	ND		10.0	5	05/13/2025 18:40	WG2513246
Lead	ND		10.0	5	05/13/2025 18:40	WG2513246
Nickel	ND		10.0	5	05/13/2025 18:40	WG2513246
Selenium	ND		0.200	5	05/13/2025 18:40	WG2513246
Silver	ND		0.500	5	05/13/2025 18:40	WG2513246
Zinc	ND		50.0	5	05/13/2025 18:40	WG2513246

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/10/2025 06:28	WG2511775
(S) a,a,a-Trifluorotoluene(FID)	*99.3*		*77.0-120*		*05/10/2025 06:28*	WG2511775

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00200	1	05/09/2025 20:30	WG2511513
Ethylbenzene	ND		0.0100	1	05/09/2025 20:30	WG2511513
Toluene	ND		0.0100	1	05/09/2025 20:30	WG2511513
1,2,4-Trimethylbenzene	ND		0.00500	1	05/09/2025 20:30	WG2511513
1,3,5-Trimethylbenzene	ND		0.00500	1	05/09/2025 20:30	WG2511513
Xylenes, Total	ND		0.100	1	05/09/2025 20:30	WG2511513
(S) Toluene-d8	*120*		*75.0-131*		*05/09/2025 20:30*	WG2511513
(S) 4-Bromofluorobenzene	*89.1*		*67.0-138*		*05/09/2025 20:30*	WG2511513
(S) 1,2-Dichloroethane-d4	*87.0*		*70.0-130*		*05/09/2025 20:30*	WG2511513

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	05/12/2025 21:03	WG2512293
C28-C36 Motor Oil Range	8.70		4.00	1	05/12/2025 21:03	WG2512293
(S) o-Terphenyl	*67.6*		*18.0-148*		*05/12/2025 21:03*	WG2512293

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/09/2025 20:46	WG2510554
Acenaphthene	ND		0.0330	1	05/09/2025 20:46	WG2510554
Benzo(a)anthracene	ND		0.00600	1	05/09/2025 20:46	WG2510554
Benzo(a)pyrene	ND		0.0330	1	05/09/2025 20:46	WG2510554
Benzo(b)fluoranthene	ND		0.0330	1	05/09/2025 20:46	WG2510554
Benzo(k)fluoranthene	ND		0.0330	1	05/09/2025 20:46	WG2510554
Chrysene	ND		0.0330	1	05/09/2025 20:46	WG2510554
Dibenz(a,h)anthracene	ND		0.0330	1	05/09/2025 20:46	WG2510554
Fluoranthene	ND		0.0330	1	05/09/2025 20:46	WG2510554
Fluorene	ND		0.0330	1	05/09/2025 20:46	WG2510554
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/09/2025 20:46	WG2510554
Naphthalene	ND		0.00300	1	05/09/2025 20:46	WG2510554
Pyrene	ND		0.0330	1	05/09/2025 20:46	WG2510554
1-Methylnaphthalene	ND		0.00300	1	05/09/2025 20:46	WG2510554
2-Methylnaphthalene	ND		0.0120	1	05/09/2025 20:46	WG2510554
(S) p-Terphenyl-d14	*88.3*		*23.0-120*		*05/09/2025 20:46*	WG2510554
(S) Nitrobenzene-d5	*86.0*		*14.0-149*		*05/09/2025 20:46*	WG2510554
(S) 2-Fluorobiphenyl	*97.0*		*34.0-125*		*05/09/2025 20:46*	WG2510554

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.170		1	05/14/2025 19:01	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 18:19	WG2514209

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.14		1	05/14/2025 21:50	WG2514983

Sample Narrative:
L1855493-04 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.181	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:
L1855493-04 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/14/2025 09:07	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	0.642		0.200	5	05/13/2025 18:43	WG2513246
Barium	19.3		10.0	5	05/13/2025 18:43	WG2513246
Cadmium	ND		0.200	5	05/13/2025 18:43	WG2513246
Copper	ND		10.0	5	05/13/2025 18:43	WG2513246
Lead	ND		10.0	5	05/13/2025 18:43	WG2513246
Nickel	ND		10.0	5	05/13/2025 18:43	WG2513246
Selenium	ND		0.200	5	05/13/2025 18:43	WG2513246
Silver	ND		0.500	5	05/13/2025 18:43	WG2513246
Zinc	ND		50.0	5	05/13/2025 18:43	WG2513246

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/10/2025 06:50	WG2511775
(S) a,a,a-Trifluorotoluene(FID)	*98.5*		*77.0-120*		*05/10/2025 06:50*	WG2511775

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00200	1	05/09/2025 20:50	WG2511513
Ethylbenzene	ND		0.0100	1	05/09/2025 20:50	WG2511513
Toluene	ND		0.0100	1	05/09/2025 20:50	WG2511513
1,2,4-Trimethylbenzene	ND		0.00500	1	05/09/2025 20:50	WG2511513
1,3,5-Trimethylbenzene	ND		0.00500	1	05/09/2025 20:50	WG2511513
Xylenes, Total	ND		0.100	1	05/09/2025 20:50	WG2511513
(S) Toluene-d8	*118*		*75.0-131*		*05/09/2025 20:50*	WG2511513
(S) 4-Bromofluorobenzene	*87.1*		*67.0-138*		*05/09/2025 20:50*	WG2511513
(S) 1,2-Dichloroethane-d4	*86.3*		*70.0-130*		*05/09/2025 20:50*	WG2511513

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	05/12/2025 20:49	WG2512293
C28-C36 Motor Oil Range	11.9		4.00	1	05/12/2025 20:49	WG2512293
(S) o-Terphenyl	*61.1*		*18.0-148*		*05/12/2025 20:49*	WG2512293

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/09/2025 21:03	WG2510554
Acenaphthene	ND		0.0330	1	05/09/2025 21:03	WG2510554
Benzo(a)anthracene	ND		0.00600	1	05/09/2025 21:03	WG2510554
Benzo(a)pyrene	ND		0.0330	1	05/09/2025 21:03	WG2510554
Benzo(b)fluoranthene	ND		0.0330	1	05/09/2025 21:03	WG2510554
Benzo(k)fluoranthene	ND		0.0330	1	05/09/2025 21:03	WG2510554
Chrysene	ND		0.0330	1	05/09/2025 21:03	WG2510554
Dibenz(a,h)anthracene	ND		0.0330	1	05/09/2025 21:03	WG2510554
Fluoranthene	ND		0.0330	1	05/09/2025 21:03	WG2510554
Fluorene	ND		0.0330	1	05/09/2025 21:03	WG2510554
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/09/2025 21:03	WG2510554
Naphthalene	ND		0.00300	1	05/09/2025 21:03	WG2510554
Pyrene	ND		0.0330	1	05/09/2025 21:03	WG2510554
1-Methylnaphthalene	ND		0.00300	1	05/09/2025 21:03	WG2510554
2-Methylnaphthalene	ND		0.0120	1	05/09/2025 21:03	WG2510554
(S) p-Terphenyl-d14	*86.7*		*23.0-120*		*05/09/2025 21:03*	WG2510554
(S) Nitrobenzene-d5	*85.8*		*14.0-149*		*05/09/2025 21:03*	WG2510554
(S) 2-Fluorobiphenyl	*95.8*		*34.0-125*		*05/09/2025 21:03*	WG2510554

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.143		1	05/14/2025 19:04	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 14:07	WG2514168

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.00		1	05/14/2025 21:50	WG2514983

Sample Narrative:
L1855493-05 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.160	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:
L1855493-05 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/14/2025 09:09	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.03		0.200	5	05/13/2025 19:08	WG2513247
Barium	47.8		10.0	5	05/13/2025 19:08	WG2513247
Cadmium	ND		0.200	5	05/13/2025 19:08	WG2513247
Copper	ND		10.0	5	05/13/2025 19:08	WG2513247
Lead	ND		10.0	5	05/13/2025 19:08	WG2513247
Nickel	ND		10.0	5	05/13/2025 19:08	WG2513247
Selenium	0.263		0.200	5	05/13/2025 19:08	WG2513247
Silver	ND		0.500	5	05/13/2025 19:08	WG2513247
Zinc	ND		50.0	5	05/13/2025 19:08	WG2513247

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/10/2025 07:13	WG2511775
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*05/10/2025 07:13*	WG2511775

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00200	1	05/09/2025 21:10	WG2511513
Ethylbenzene	ND		0.0100	1	05/09/2025 21:10	WG2511513
Toluene	ND		0.0100	1	05/09/2025 21:10	WG2511513
1,2,4-Trimethylbenzene	ND		0.00500	1	05/09/2025 21:10	WG2511513
1,3,5-Trimethylbenzene	ND		0.00500	1	05/09/2025 21:10	WG2511513
Xylenes, Total	ND		0.100	1	05/09/2025 21:10	WG2511513
(S) Toluene-d8	*120*		*75.0-131*		*05/09/2025 21:10*	WG2511513
(S) 4-Bromofluorobenzene	*88.1*		*67.0-138*		*05/09/2025 21:10*	WG2511513
(S) 1,2-Dichloroethane-d4	*88.6*		*70.0-130*		*05/09/2025 21:10*	WG2511513

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	05/12/2025 20:21	WG2512293
C28-C36 Motor Oil Range	7.24		4.00	1	05/12/2025 20:21	WG2512293
(S) o-Terphenyl	*60.6*		*18.0-148*		*05/12/2025 20:21*	WG2512293

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/09/2025 21:21	WG2510554
Acenaphthene	ND		0.0330	1	05/09/2025 21:21	WG2510554
Benzo(a)anthracene	ND		0.00600	1	05/09/2025 21:21	WG2510554
Benzo(a)pyrene	ND		0.0330	1	05/09/2025 21:21	WG2510554
Benzo(b)fluoranthene	ND		0.0330	1	05/09/2025 21:21	WG2510554
Benzo(k)fluoranthene	ND		0.0330	1	05/09/2025 21:21	WG2510554
Chrysene	ND		0.0330	1	05/09/2025 21:21	WG2510554
Dibenz(a,h)anthracene	ND		0.0330	1	05/09/2025 21:21	WG2510554
Fluoranthene	ND		0.0330	1	05/09/2025 21:21	WG2510554
Fluorene	ND		0.0330	1	05/09/2025 21:21	WG2510554
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/09/2025 21:21	WG2510554
Naphthalene	ND		0.00300	1	05/09/2025 21:21	WG2510554
Pyrene	ND		0.0330	1	05/09/2025 21:21	WG2510554
1-Methylnaphthalene	ND		0.00300	1	05/09/2025 21:21	WG2510554
2-Methylnaphthalene	ND		0.0120	1	05/09/2025 21:21	WG2510554
(S) p-Terphenyl-d14	*87.1*		*23.0-120*		*05/09/2025 21:21*	WG2510554
(S) Nitrobenzene-d5	*84.5*		*14.0-149*		*05/09/2025 21:21*	WG2510554
(S) 2-Fluorobiphenyl	*95.1*		*34.0-125*		*05/09/2025 21:21*	WG2510554

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.226		1	05/14/2025 19:07	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 06:47	WG2514165

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.47		1	05/14/2025 21:50	WG2514983

Sample Narrative:

L1855493-06 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.176	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:

L1855493-06 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/14/2025 09:10	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.68		0.200	5	05/13/2025 22:45	WG2513247
Barium	105		10.0	5	05/13/2025 22:45	WG2513247
Cadmium	0.206		0.200	5	05/13/2025 22:45	WG2513247
Copper	ND		10.0	5	05/13/2025 22:45	WG2513247
Lead	ND		10.0	5	05/13/2025 22:45	WG2513247
Nickel	ND		10.0	5	05/13/2025 22:45	WG2513247
Selenium	0.351		0.200	5	05/13/2025 22:45	WG2513247
Silver	ND		0.500	5	05/13/2025 22:45	WG2513247
Zinc	ND		50.0	5	05/13/2025 22:45	WG2513247

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.08		1	05/14/2025 19:09	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 14:51	WG2514168

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.16		1	05/14/2025 21:50	WG2514983

Sample Narrative:

L1855493-07 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.647	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:

L1855493-07 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.347		0.200	1	05/14/2025 09:12	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	7.45		0.200	5	05/13/2025 22:48	WG2513247
Barium	147		10.0	5	05/13/2025 22:48	WG2513247
Cadmium	0.254		0.200	5	05/13/2025 22:48	WG2513247
Copper	13.5		10.0	5	05/13/2025 22:48	WG2513247
Lead	11.1		10.0	5	05/13/2025 22:48	WG2513247
Nickel	20.4		10.0	5	05/13/2025 22:48	WG2513247
Selenium	0.617		0.200	5	05/13/2025 22:48	WG2513247
Silver	ND		0.500	5	05/13/2025 22:48	WG2513247
Zinc	ND		50.0	5	05/13/2025 22:48	WG2513247

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.374		1	05/14/2025 19:12	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 06:56	WG2514165

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.57		1	05/14/2025 21:50	WG2514983

Sample Narrative:

L1855493-08 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.174	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:

L1855493-08 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	05/14/2025 09:14	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.58		0.200	5	05/13/2025 22:51	WG2513247
Barium	115		10.0	5	05/13/2025 22:51	WG2513247
Cadmium	ND		0.200	5	05/13/2025 22:51	WG2513247
Copper	ND		10.0	5	05/13/2025 22:51	WG2513247
Lead	ND		10.0	5	05/13/2025 22:51	WG2513247
Nickel	10.8		10.0	5	05/13/2025 22:51	WG2513247
Selenium	0.441		0.200	5	05/13/2025 22:51	WG2513247
Silver	ND		0.500	5	05/13/2025 22:51	WG2513247
Zinc	ND		50.0	5	05/13/2025 22:51	WG2513247

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.07		1	05/14/2025 19:15	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 07:46	WG2514165

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.89		1	05/14/2025 21:50	WG2514983

Sample Narrative:

L1855493-09 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.285	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:

L1855493-09 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.533		0.200	1	05/14/2025 09:15	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.09		0.200	5	05/13/2025 22:55	WG2513247
Barium	101		10.0	5	05/13/2025 22:55	WG2513247
Cadmium	ND		0.200	5	05/13/2025 22:55	WG2513247
Copper	ND		10.0	5	05/13/2025 22:55	WG2513247
Lead	ND		10.0	5	05/13/2025 22:55	WG2513247
Nickel	ND		10.0	5	05/13/2025 22:55	WG2513247
Selenium	0.386		0.200	5	05/13/2025 22:55	WG2513247
Silver	ND		0.500	5	05/13/2025 22:55	WG2513247
Zinc	ND		50.0	5	05/13/2025 22:55	WG2513247

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.262		1	05/14/2025 19:18	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 08:31	WG2514165

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.39		1	05/14/2025 21:50	WG2514983

Sample Narrative:

L1855493-10 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.210	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:

L1855493-10 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.252		0.200	1	05/14/2025 09:20	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.39		0.200	5	05/13/2025 22:58	WG2513247
Barium	120		10.0	5	05/13/2025 22:58	WG2513247
Cadmium	ND		0.200	5	05/13/2025 22:58	WG2513247
Copper	ND		10.0	5	05/13/2025 22:58	WG2513247
Lead	ND		10.0	5	05/13/2025 22:58	WG2513247
Nickel	11.5		10.0	5	05/13/2025 22:58	WG2513247
Selenium	0.473		0.200	5	05/13/2025 22:58	WG2513247
Silver	ND		0.500	5	05/13/2025 22:58	WG2513247
Zinc	ND		50.0	5	05/13/2025 22:58	WG2513247

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.73		1	05/14/2025 19:20	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 15:53	WG2514168

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.93		1	05/14/2025 21:50	WG2514983

Sample Narrative:

L1855493-11 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.344	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:

L1855493-11 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.549		0.200	1	05/14/2025 09:22	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.67		0.200	5	05/13/2025 23:01	WG2513247
Barium	140		10.0	5	05/13/2025 23:01	WG2513247
Cadmium	ND		0.200	5	05/13/2025 23:01	WG2513247
Copper	ND		10.0	5	05/13/2025 23:01	WG2513247
Lead	ND		10.0	5	05/13/2025 23:01	WG2513247
Nickel	ND		10.0	5	05/13/2025 23:01	WG2513247
Selenium	0.385		0.200	5	05/13/2025 23:01	WG2513247
Silver	ND		0.500	5	05/13/2025 23:01	WG2513247
Zinc	ND		50.0	5	05/13/2025 23:01	WG2513247

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.125		1	05/14/2025 19:29	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 08:40	WG2514165

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.81		1	05/14/2025 21:50	WG2514983

Sample Narrative:

L1855493-12 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.299	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:

L1855493-12 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.271		0.200	1	05/14/2025 09:23	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.69		0.200	5	05/13/2025 23:04	WG2513247
Barium	54.3		10.0	5	05/13/2025 23:04	WG2513247
Cadmium	ND		0.200	5	05/13/2025 23:04	WG2513247
Copper	10.8		10.0	5	05/13/2025 23:04	WG2513247
Lead	ND		10.0	5	05/13/2025 23:04	WG2513247
Nickel	ND		10.0	5	05/13/2025 23:04	WG2513247
Selenium	0.362		0.200	5	05/13/2025 23:04	WG2513247
Silver	ND		0.500	5	05/13/2025 23:04	WG2513247
Zinc	ND		50.0	5	05/13/2025 23:04	WG2513247

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.105		1	05/14/2025 19:31	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 08:49	WG2514165

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.49		1	05/14/2025 21:50	WG2514983

Sample Narrative:
L1855493-13 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.174	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:
L1855493-13 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.242		0.200	1	05/14/2025 09:25	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.75		0.200	5	05/13/2025 23:07	WG2513247
Barium	48.0		10.0	5	05/13/2025 23:07	WG2513247
Cadmium	ND		0.200	5	05/13/2025 23:07	WG2513247
Copper	ND		10.0	5	05/13/2025 23:07	WG2513247
Lead	ND		10.0	5	05/13/2025 23:07	WG2513247
Nickel	ND		10.0	5	05/13/2025 23:07	WG2513247
Selenium	0.409		0.200	5	05/13/2025 23:07	WG2513247
Silver	ND		0.500	5	05/13/2025 23:07	WG2513247
Zinc	ND		50.0	5	05/13/2025 23:07	WG2513247

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.104		1	05/14/2025 19:34	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 08:58	WG2514165

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.96		1	05/14/2025 21:50	WG2514983

Sample Narrative:
L1855493-14 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.242	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:
L1855493-14 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.222		0.200	1	05/14/2025 09:27	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.67		0.200	5	05/13/2025 23:10	WG2513247
Barium	45.7		10.0	5	05/13/2025 23:10	WG2513247
Cadmium	ND		0.200	5	05/13/2025 23:10	WG2513247
Copper	ND		10.0	5	05/13/2025 23:10	WG2513247
Lead	ND		10.0	5	05/13/2025 23:10	WG2513247
Nickel	ND		10.0	5	05/13/2025 23:10	WG2513247
Selenium	0.376		0.200	5	05/13/2025 23:10	WG2513247
Silver	ND		0.500	5	05/13/2025 23:10	WG2513247
Zinc	ND		50.0	5	05/13/2025 23:10	WG2513247

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0851		1	05/14/2025 19:37	WG2509422

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.300	1	05/14/2025 15:20	WG2514168

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.92		1	05/14/2025 21:50	WG2514983

Sample Narrative:

L1855493-15 WG2514983: 0

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.167	mmhos/cm		0.0100	1	05/15/2025 11:59	WG2514986

Sample Narrative:

L1855493-15 WG2514986: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.254		0.200	1	05/14/2025 09:28	WG2509424

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.81		0.200	5	05/13/2025 23:13	WG2513247
Barium	56.1		10.0	5	05/13/2025 23:13	WG2513247
Cadmium	ND		0.200	5	05/13/2025 23:13	WG2513247
Copper	ND		10.0	5	05/13/2025 23:13	WG2513247
Lead	ND		10.0	5	05/13/2025 23:13	WG2513247
Nickel	ND		10.0	5	05/13/2025 23:13	WG2513247
Selenium	0.500		0.200	5	05/13/2025 23:13	WG2513247
Silver	ND		0.500	5	05/13/2025 23:13	WG2513247
Zinc	ND		50.0	5	05/13/2025 23:13	WG2513247

Method Blank (MB)

(MB) R4214468-1 05/14/25 05:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	U		0.300	0.300

L1855474-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1855474-02 05/14/25 05:54 • (DUP) R4214468-3 05/14/25 06:03

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

L1855498-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1855498-03 05/14/25 09:59 • (DUP) R4214468-8 05/14/25 10:08

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4214468-2 05/14/25 05:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.2	102	80.0-120	

L1855493-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855493-09 05/14/25 07:46 • (MS) R4214468-5 05/14/25 08:04 • (MSD) R4214468-6 05/14/25 08:13

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	16.2	17.0	81.1	85.0	1	75.0-125			4.71	20

L1855493-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1855493-09 05/14/25 07:46 • (MS) R4214468-7 05/14/25 08:22

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	641	ND	534	83.3	50	75.0-125	

Method Blank (MB)

(MB) R4214750-1 05/14/25 11:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	U		0.300	0.300

L1855480-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855480-01 05/14/25 10:53 • (DUP) R4214750-3 05/14/25 11:13

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

L1855493-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1855493-11 05/14/25 15:53 • (DUP) R4214750-8 05/14/25 15:11

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4214750-2 05/14/25 10:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.1	101	80.0-120	

L1855480-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855480-08 05/14/25 12:40 • (MS) R4214750-4 05/14/25 12:49 • (MSD) R4214750-5 05/14/25 12:59

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	19.8	20.6	98.9	103	1	75.0-125			3.90	20

L1855480-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1855480-08 05/14/25 12:40 • (MS) R4214750-6 05/14/25 13:09

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	654	ND	675	103	50	75.0-125	

Method Blank (MB)

(MB) R4214860-1 05/14/25 15:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	U		0.300	0.300

L1854686-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1854686-02 05/14/25 16:10 • (DUP) R4214860-3 05/14/25 16:21

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4214860-2 05/14/25 15:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.2	102	80.0-120	

L1855493-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855493-04 05/14/25 18:19 • (MS) R4214860-4 05/14/25 18:29 • (MSD) R4214860-5 05/14/25 18:40

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	19.8	20.4	98.8	102	1	75.0-125			3.42	20

L1855493-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1855493-04 05/14/25 18:19 • (MS) R4214860-6 05/14/25 18:50

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	648	ND	685	106	50	75.0-125	

L1855492-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855492-01 05/14/25 06:06 • (DUP) R4214402-2 05/14/25 06:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.79	7.76	1	0.386		1

L1855599-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1855599-06 05/14/25 06:06 • (DUP) R4214402-3 05/14/25 06:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.40	8.39	1	0.119		1

Laboratory Control Sample (LCS)

(LCS) R4214402-1 05/14/25 06:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

L1855493-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1855493-03 05/14/25 21:50 • (DUP) R4214900-2 05/14/25 21:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.27	8.32	1	0.603		1

Sample Narrative:

OS: 0

DUP: 0

L1855498-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1855498-07 05/14/25 21:50 • (DUP) R4214900-3 05/14/25 21:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.06	8.04	1	0.248		1

Sample Narrative:

OS: 0

DUP: 0

Laboratory Control Sample (LCS)

(LCS) R4214900-1 05/14/25 21:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.97	99.7	99.0-101	

Sample Narrative:

LCS: 0

Method Blank (MB)

(MB) R4214475-1 05/14/25 08:58

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
Specific Conductance	U		0.0100	0.0100

Sample Narrative:
BLANK: at 25C

L1855492-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1855492-02 05/14/25 08:58 • (DUP) R4214475-3 05/14/25 08:58

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.0865	0.0853	1	1.40		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1855599-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1855599-05 05/14/25 08:58 • (DUP) R4214475-4 05/14/25 08:58

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	0.173	1	0.690		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4214475-2 05/14/25 08:58

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1.13	1.08	95.6	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4215209-1 05/15/25 11:59

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
Specific Conductance	U		0.0100	0.0100

Sample Narrative:
BLANK: at 25C

L1855493-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1855493-04 05/15/25 11:59 • (DUP) R4215209-3 05/15/25 11:59

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	0.180	1	0.886		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1855498-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1855498-06 05/15/25 11:59 • (DUP) R4215209-4 05/15/25 11:59

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.149	0.147	1	1.42		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4215209-2 05/15/25 11:59

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1.13	1.16	103	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4214605-1 05/14/25 09:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0167	0.200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4214605-2 05/14/25 09:02 • (LCSD) R4214605-3 05/14/25 09:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.05	1.06	105	106	80.0-120			1.44	20

Method Blank (MB)

(MB) R4214609-1 05/14/25 10:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0167	0.200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4214609-2 05/14/25 11:00 • (LCSD) R4214609-3 05/14/25 11:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.08	1.06	108	106	80.0-120			1.90	20

Method Blank (MB)

(MB) R4214169-1 05/13/25 17:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.200	0.200
Barium	U		10.0	10.0
Cadmium	U		0.200	0.200
Copper	U		10.0	10.0
Lead	U		10.0	10.0
Nickel	U		10.0	10.0
Selenium	U		0.200	0.200
Silver	U		0.500	0.500
Zinc	U		50.0	50.0

Laboratory Control Sample (LCS)

(LCS) R4214169-2 05/13/25 17:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	105	105	80.0-120	
Barium	100	100	100	80.0-120	
Cadmium	100	108	108	80.0-120	
Copper	100	103	103	80.0-120	
Lead	100	105	105	80.0-120	
Nickel	100	109	109	80.0-120	
Selenium	100	109	109	80.0-120	
Silver	20.0	22.4	112	80.0-120	
Zinc	100	105	105	80.0-120	

L1855480-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855480-02 05/13/25 17:16 • (MS) R4214169-5 05/13/25 17:26 • (MSD) R4214169-6 05/13/25 17:29

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	0.684	107	91.4	106	90.7	5	75.0-125			15.8	20
Barium	100	24.0	122	104	98.4	80.5	5	75.0-125			15.8	20
Cadmium	100	ND	111	96.1	111	96.1	5	75.0-125			14.2	20
Copper	100	ND	108	90.0	108	90.0	5	75.0-125			18.0	20
Lead	100	ND	104	89.9	104	89.9	5	75.0-125			14.8	20
Nickel	100	ND	113	97.0	113	97.0	5	75.0-125			15.2	20
Selenium	100	ND	111	94.3	111	94.3	5	75.0-125			16.3	20
Silver	20.0	ND	22.8	19.2	114	95.8	5	75.0-125			17.6	20
Zinc	100	ND	114	95.0	114	95.0	5	75.0-125			18.1	20

Method Blank (MB)

(MB) R4214226-1 05/13/25 19:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.200	0.200
Barium	U		10.0	10.0
Cadmium	U		0.200	0.200
Copper	U		10.0	10.0
Lead	U		10.0	10.0
Nickel	U		10.0	10.0
Selenium	U		0.200	0.200
Silver	U		0.500	0.500
Zinc	U		50.0	50.0

Laboratory Control Sample (LCS)

(LCS) R4214226-2 05/13/25 19:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	101	101	80.0-120	
Barium	100	90.4	90.4	80.0-120	
Cadmium	100	109	109	80.0-120	
Copper	100	104	104	80.0-120	
Lead	100	103	103	80.0-120	
Nickel	100	109	109	80.0-120	
Selenium	100	109	109	80.0-120	
Silver	20.0	21.1	105	80.0-120	
Zinc	100	104	104	80.0-120	

L1855493-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855493-05 05/13/25 19:08 • (MS) R4214226-9 05/13/25 20:19 • (MSD) R4214226-10 05/13/25 20:22

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	2.03	91.3	96.8	89.3	94.7	5	75.0-125			5.79	20
Barium	100	47.8	130	133	82.7	85.3	5	75.0-125			1.94	20
Cadmium	100	ND	107	114	107	114	5	75.0-125			6.50	20
Copper	100	ND	100	104	100	104	5	75.0-125			3.42	20
Lead	100	ND	100	103	100	103	5	75.0-125			3.33	20
Nickel	100	ND	107	117	107	117	5	75.0-125			8.91	20
Selenium	100	0.263	98.5	103	98.2	103	5	75.0-125			4.56	20
Silver	20.0	ND	20.1	20.8	101	104	5	75.0-125			3.16	20
Zinc	100	ND	111	118	111	118	5	75.0-125			5.70	20

Method Blank (MB)

(MB) R4213510-2 05/10/25 00:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0283	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4213510-1 05/10/25 00:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	6.06	121	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*77.0-120*	

Method Blank (MB)

(MB) R4213540-3 05/09/25 14:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.00200	0.00200
Ethylbenzene	U		0.0100	0.0100
Toluene	U		0.0100	0.0100
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	*117*			*75.0-131*
(S) 4-Bromofluorobenzene	*86.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*87.8*			*70.0-130*

Method Blank (MB)

(MB) R4213540-4 05/09/25 14:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.00200	0.00200
Ethylbenzene	U		0.0100	0.0100
Toluene	U		0.0100	0.0100
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	*119*			*75.0-131*
(S) 4-Bromofluorobenzene	*88.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*86.1*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4213540-1 05/09/25 12:50 • (LCSD) R4213540-2 05/09/25 13:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.119	0.118	95.2	94.4	70.0-123			0.844	20
Ethylbenzene	0.125	0.115	0.115	92.0	92.0	74.0-126			0.000	20
Toluene	0.125	0.132	0.131	106	105	75.0-121			0.760	20
1,2,4-Trimethylbenzene	0.125	0.116	0.118	92.8	94.4	70.0-126			1.71	20
1,3,5-Trimethylbenzene	0.125	0.118	0.118	94.4	94.4	73.0-127			0.000	20
Xylenes, Total	0.375	0.358	0.354	95.5	94.4	72.0-127			1.12	20
(S) Toluene-d8				*118*	*117*	*75.0-131*				
(S) 4-Bromofluorobenzene				*85.2*	*81.2*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*90.6*	*91.5*	*70.0-130*				

L1855489-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855489-01 05/09/25 19:12 • (MS) R4213540-5 05/09/25 22:30 • (MSD) R4213540-6 05/09/25 22:50

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	ND	0.0868	0.128	69.4	102	1	10.0-149		J3	38.4	37
Ethylbenzene	0.125	ND	0.0788	0.117	63.0	93.6	1	10.0-160		J3	39.0	38
Toluene	0.125	ND	0.0934	0.137	74.7	110	1	10.0-156			37.8	38
1,2,4-Trimethylbenzene	0.125	ND	0.0893	0.122	71.4	97.6	1	10.0-160			31.0	36
1,3,5-Trimethylbenzene	0.125	ND	0.0857	0.121	68.6	96.8	1	10.0-160			34.2	38
Xylenes, Total	0.375	ND	0.255	0.366	68.0	97.6	1	10.0-160			35.7	38
(S) Toluene-d8					*116*	*114*		*75.0-131*				
(S) 4-Bromofluorobenzene					*83.9*	*83.6*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*90.3*	*88.2*		*70.0-130*				

Method Blank (MB)

(MB) R4213716-1 05/12/25 16:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*55.0*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4213716-2 05/12/25 17:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	40.4	80.8	50.0-150	
(S) o-Terphenyl			*73.1*	*18.0-148*	

L1855480-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855480-01 05/12/25 19:10 • (MS) R4213716-3 05/12/25 19:24 • (MSD) R4213716-4 05/12/25 19:38

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	49.7	ND	42.0	46.7	84.5	94.5	1	50.0-150			10.6	20
(S) o-Terphenyl					*75.8*	*86.9*		*18.0-148*				

Method Blank (MB)

(MB) R4212691-2 05/09/25 16:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.0330	0.0330
Anthracene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Benzo(a)pyrene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
Naphthalene	U		0.00300	0.00300
Pyrene	U		0.0330	0.0330
(S) p-Terphenyl-d14	*89.8*			*23.0-120*
(S) Nitrobenzene-d5	*85.3*			*14.0-149*
(S) 2-Fluorobiphenyl	*98.0*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4212691-1 05/09/25 16:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0751	93.9	50.0-120	
Anthracene	0.0800	0.0795	99.4	50.0-126	
Benzo(a)anthracene	0.0800	0.0757	94.6	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0729	91.1	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0718	89.8	49.0-125	
Benzo(a)pyrene	0.0800	0.0717	89.6	42.0-120	
Chrysene	0.0800	0.0785	98.1	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0737	92.1	47.0-125	
Fluoranthene	0.0800	0.0839	105	49.0-129	
Fluorene	0.0800	0.0821	103	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0723	90.4	46.0-125	
1-Methylnaphthalene	0.0800	0.0821	103	51.0-121	
2-Methylnaphthalene	0.0800	0.0782	97.8	50.0-120	
Naphthalene	0.0800	0.0762	95.3	50.0-120	
Pyrene	0.0800	0.0707	88.4	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4212691-1 05/09/25 16:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*89.9*	*23.0-120*	
(S) Nitrobenzene-d5			*90.9*	*14.0-149*	
(S) 2-Fluorobiphenyl			*101*	*34.0-125*	

L1855416-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855416-03 05/09/25 17:33 • (MS) R4212691-3 05/09/25 17:51 • (MSD) R4212691-4 05/09/25 18:08

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0780	ND	0.0667	0.0682	85.5	86.5	1	14.0-127			2.22	27
Anthracene	0.0780	ND	0.0700	0.0710	89.7	90.1	1	10.0-145			1.42	30
Benzo(a)anthracene	0.0780	ND	0.0669	0.0665	85.8	84.4	1	10.0-139			0.600	30
Benzo(b)fluoranthene	0.0780	ND	0.0673	0.0644	86.3	81.7	1	10.0-140			4.40	36
Benzo(k)fluoranthene	0.0780	ND	0.0647	0.0671	82.9	85.2	1	10.0-137			3.64	31
Benzo(a)pyrene	0.0780	ND	0.0663	0.0661	85.0	83.9	1	10.0-141			0.302	31
Chrysene	0.0780	ND	0.0713	0.0719	91.4	91.2	1	10.0-145			0.838	30
Dibenz(a,h)anthracene	0.0780	ND	0.0668	0.0674	85.6	85.5	1	10.0-132			0.894	31
Fluoranthene	0.0780	ND	0.0748	0.0757	95.9	96.1	1	10.0-153			1.20	33
Fluorene	0.0780	ND	0.0741	0.0755	95.0	95.8	1	11.0-130			1.87	29
Indeno(1,2,3-cd)pyrene	0.0780	ND	0.0655	0.0650	84.0	82.5	1	10.0-137			0.766	32
1-Methylnaphthalene	0.0780	ND	0.0733	0.0752	94.0	95.4	1	10.0-142			2.56	28
2-Methylnaphthalene	0.0780	ND	0.0704	0.0717	90.3	91.0	1	10.0-137			1.83	28
Naphthalene	0.0780	ND	0.0687	0.0702	88.1	89.1	1	10.0-135			2.16	27
Pyrene	0.0780	ND	0.0641	0.0653	82.2	82.9	1	10.0-148			1.85	35
(S) p-Terphenyl-d14					*86.8*	*85.9*		*23.0-120*				
(S) Nitrobenzene-d5					*83.8*	*83.8*		*14.0-149*				
(S) 2-Fluorobiphenyl					*94.8*	*94.9*		*34.0-125*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
T8	Sample(s) received past/too close to holding time expiration.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Chain of Custody Page 1 of 2

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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

L1856493

SDG # F090

Acctnum: OCCPETPCO
Template: T268641
Prelogin: P1149031
PM: 824 - Chris Ward
PB:
Shipped Via: FedEX Ground

Company Name/Address:
Occidental Petroleum Corporation
PO Box 4995
The Woodlands, TX 77387

Billing Information:
Taylor Rowley - User ID ONV859
PO Box 4995
The Woodlands, TX 77387

Pres Chk

Report to:
Daniel Coloccia 970-846-5781

Email To: dcoloccia@eagle-enviro.com;amcnall@eagle-

Project Description: Webber 24,9 Edington Lillvand Facility

City/State Collected: Denver, CO

Please Circle: PT **MT** CT ET

Regulatory Program(DOD,RCRA,DW,etc): ECMC

Client Project #

Lab Project # OCCPETPCO-EAGLE

Collected by (print): Christine Bilas

Site/Facility ID #

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day X STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Full Table 915-1 4ozClr-NoPres	Table 915 Metals+SS 4ozClr-NoPres	Table 915-1 Cl,SO4 125mlHDPE-NoPres	Table 915-1 TDS 1L-HDPE NoPres	Table915-1BTEXN,TMBs 40mlAmb-HCl					Remarks	Sample # (lab only)
PW-B01 @ 4'	Grab	SS	4'	5/5/25	9:34	3	X										01
PW-E01 @ 2'	|	|	2'	|	9:42	|	|										02
AST-B01 @ 3"	|	|	3"	|	9:56	|	|										03
SEP-B01 @ 3"	|	|	3"	|	10:10	|	|										04
SEP-B02 @ 3"	|	|	3"	|	10:12	|	|										05
PW-BG01 @ 3'	|	|	3'	|	12:30	2		X									06
PW-BG01 @ 6'	|	|	6'	|	12:32	|		|									07
PW-BG02 @ 3'	|	|	3'	|	12:36	|		|									08
PW-BG02 @ 6'	|	|	6'	|	12:38	|		|									09
PW-BG03 @ 3'	|	|	3'	|	12:45	|		|									10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ________

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)		
[signature]	5/5/25	14:36	[signature]	Trip Blank Received: Yes / No (circled) HCL / MeoH TBR	
Relinquished by : (Signature) [signature]	Date: 5-5-25	Time: 18:00	Received by: (Signature) SWA	Temp: °C Bottles Received: 35	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) CBROBERTO	Date: 050625 Time: 0800	Hold: Condition: NCF / OK (circled)

Company Name/Address:
Occidental Petroleum Corporation

PO Box 4995
The Woodlands, TX 77387

Billing Information:
Taylor Rowley - User ID ONV859
PO Box 4995
The Woodlands, TX 77387

Pres Chk

Report to:
Daniel Coloccia 970-846-5781

Email To: **dcoloccia@eagle-enviro.com;amcnall@eagle-**

Project Description:
Webber 24,9 Edington Lillvand Facility

City/State Collected: Denver, CO

Please Circle: PT [MT] CT ET

Regulatory Program(DOD,RCRA,DW,etc):
ECMC

Client Project #

Lab Project #
OCCPETPCO-EAGLE

Collected by (print):
Christine Bilas

Site/Facility ID #

P.O. #

Collected by (signature):
Chr Bil

Immediately
Packed on Ice N____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day X STD TAT

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Full Table 915-1 4ozClr-NoPres	Table 915 Metals+SS 4ozClr-NoPres	Table 915-1 Cl,SO4 125mlHDPE-NoPres	Table 915-1 TDS 1L-HDPE NoPres	Table915-1BTEXN,TMBs 40mlAmb-HCl	Remarks	Sample # (lab only)
PW-BG03@6'	Grab	SS	6'	5/5/25	12:47	2		X					11
AST-BG01@6"			6"		12:52								12
AST-BG02@6"					12:54								13
AST-BG03@6"					12:56								14
AST-BG04@6"					12:58								15

Chain of Custody Page 2 of 2

Pace
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MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1855493

Table #

Acctnum: **OCCPETPCO**
Template: **T268641**
Prelogin: **P1149031**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Chr Bil	5/5/25	14:37	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	5-5-25	1800	SWA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			CROOKUP

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 35

Date: 05.06.25 Time: 0700

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Multiple Parcel Form L# L1888493

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SWA	TVA9	0.5	0.4	0.9	(Yes) / No / Not Present
SWA	TVA9	1.1	0.4	1.5	(Yes) / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

CRomero
Name

05-06-25
Date