



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc. - Riverside
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

21 March 2025

John Salguero
State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles, CA 90013

RE: Autospool-RWB4_WildFireResponse_2025

Dear John Salguero,

The following pages contain the analytical results for the sample(s) received for your project. The second page of this report lists the individual sample descriptions with the corresponding laboratory number(s). We have also provided a copy of the Chain of Custody document (if received with your sample(s)). Please note that any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our Client Service Department.

Sincerely,

Autospool Station For Alexandria L. Guerra
Special Programs Coordinator



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State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
 Project Number: Wildfire Response 2025
 Project Manager: John Salguero

Reported:
 03/21/25 18:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Lab ID	Matrix	Station Code	Location Code	Sampled	Received
SMB 2-7 Creek	C5C1975-01	Sample Water	N/A	N/A	03/13/25 10:45	03/13/25 17:14
DPH 108	C5C1975-02	Sample Water	N/A	N/A	03/13/25 11:40	03/13/25 17:14
DPH 105B	C5C1975-03	Sample Water	N/A	N/A	03/13/25 11:50	03/13/25 17:14
SB 3-4 DUPE	C5C1975-04	Sample Water	N/A	N/A	03/13/25 08:35	03/13/25 17:14
SB 3-4	C5C1975-05	Sample Water	N/A	N/A	03/13/25 08:40	03/13/25 17:14
DPH 107B	C5C1975-06	Sample Water	N/A	N/A	03/13/25 10:30	03/13/25 17:14
SMB 2-7 Beach	C5C1975-07	Sample Water	N/A	N/A	03/13/25 10:15	03/13/25 17:14



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320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

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03/21/25 18:42

SMB 2-7 Creek
C5C1975-01 (Liquid, Sampled: 03/13/25 10:45)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc. - Riverside										
Cations										
Calcium	110	3.3	10	mg/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	
Total Hardness	480		10	"	"	"	"	"	SM 2340B/EPA 200.7	
Magnesium	50	3.3	10	"	"	"	"	"	EPA 200.7	
Magnesium-Dissolved	50	1.7	5.0	"	1	5C17167	03/17/25	"	"	
Anions										
Bicarbonate	230	5.0	5.0	mg/L as CaCO3	1	5C17174	03/17/25	03/17/25	SM 2320B	
Carbonate	ND	5.0	5.0	"	"	"	"	"	"	
Hydroxide	ND	5.0	5.0	"	"	"	"	"	"	
Total Alkalinity	230	5.0	5.0	"	"	"	"	"	"	
Nitrate as N	2.4	0.12	0.20	mg/L	"	5C13121	03/14/25	03/14/25	EPA 300.0	
Nitrate/Nitrite as N	2.7	0.024	0.10	"	10	5C17214	03/17/25	03/17/25	EPA 353.2	
Sulfate	270	0.92	1.0	"	2	5C14122	03/15/25	03/15/25	EPA 300.0	
Solids										
Settleable Solids	0.9	0.1	0.1	mL/L	1	5C14106	03/14/25	03/14/25	SM 2540F	
Total Dissolved Solids	790	20	20	mg/L	2	5C17212	03/17/25	03/17/25	SM 2540C	
Total Suspended Solids	780	10	10	"	20	5C14092	03/14/25	03/14/25	SM 2540D	
Aggregate Organic Compounds										
Total Organic Carbon	10		0.70	mg/L	1	5C17149	03/17/25	03/17/25	SM 5310B	
Nutrients										
Ammonia-Nitrogen	0.4	0.008	0.01	mg/L	1	5C18193	03/18/25	03/18/25	SM4500NH3 H G	
Ortho Phosphate Phosphorus	0.10		0.050	"	"	5C13068	03/13/25	03/13/25	EPA 300.0	
Ortho Phosphate Phosphorus	0.16		0.050	"	"	5C14146	03/14/25	03/14/25	SM 4500P B E	
Phosphorus, Total as P	1.5	0.19	0.50	"	10	5C18160	03/18/25	03/19/25	"	
Kjeldahl Nitrogen	4.5	0.2	0.2	"	1	5C14134	03/18/25	03/18/25	EPA 351.2	
Total Nitrogen (N)	7.2	0.26	0.35	"	10	[CALC]	"	"	Calculation	

Babcock Laboratories, Inc. - Riverside

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SMB 2-7 Creek
C5C1975-01 (Liquid, Sampled: 03/13/25 10:45)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Metals and Metalloids

Aluminum	ND	170	500	ug/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm
Aluminum-Dissolved	87	84	250	"	1	5C17167	03/17/25	"	"	J
Arsenic	24	7.1	20	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	
Arsenic-Dissolved	ND	8.8	25	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Cadmium	ND	0.99	4.0	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Cadmium-Dissolved	ND	1.2	10	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Total Chromium	43	16	80	"	4	5C14093	03/14/25	03/18/25	"	N_RLm, J
Chromium-Dissolved	ND	20	100	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Copper	56	13	40	"	4	5C14093	03/14/25	03/18/25	"	
Copper-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Iron	ND	260	500	"	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm
Iron-Dissolved	ND	130	250	"	1	5C17167	03/17/25	"	"	N_RLm
Mercury	ND	0.28	0.50	"	"	5C14104	03/14/25	03/18/25	SM 3112B	
Mercury-Dissolved	ND	0.28	0.50	"	"	"	"	03/18/25	"	
Manganese	1300	13	40	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	
Manganese-Dissolved	200	17	50	"	1	5C14110	03/14/25	03/14/25	"	
Nickel	51	13	40	"	4	5C14093	03/14/25	03/18/25	"	
Nickel-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Lead	39	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm, J
Lead-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Selenium	ND	6.7	20	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Selenium-Dissolved	ND	8.4	25	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Zinc	140	20	40	"	4	5C14093	03/14/25	03/18/25	"	
Zinc-Dissolved	ND	25	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm



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Volatile Organic Compounds by EPA 624.1

N_RLm

1,1,1-Trichloroethane	ND		50	ug/L	100	5C14107	03/14/25	03/14/25	EPA 624.1	
1,1,2,2-Tetrachloroethane	ND		50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,2-Dichloroethane	ND		50	"	"	"	"	"	"	
1,2-Dichloropropane	ND		50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		50	"	"	"	"	"	"	
2-Chloroethylvinyl Ether	ND		500	"	"	"	"	"	"	NCEVE
Acrolein	ND		1000	"	"	"	"	"	"	
Acrylonitrile	ND		1000	"	"	"	"	"	"	
Benzene	ND		50	"	"	"	"	"	"	
Bromodichloromethane	ND		50	"	"	"	"	"	"	
Bromoform	ND		100	"	"	"	"	"	"	
Bromomethane	ND		50	"	"	"	"	"	"	
Carbon Tetrachloride	ND		50	"	"	"	"	"	"	
Chlorobenzene	ND		50	"	"	"	"	"	"	
Chloroethane	ND		50	"	"	"	"	"	"	
Chloroform	ND		50	"	"	"	"	"	"	
Chloromethane	ND		50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Dibromochloromethane	ND		50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		50	"	"	"	"	"	"	
Ethylbenzene	ND		50	"	"	"	"	"	"	
Methyl tert Butyl Ether	ND		500	"	"	"	"	"	"	
Methylene Chloride	ND		300	"	"	"	"	"	"	
Tetrachloroethene	ND		50	"	"	"	"	"	"	
Toluene	ND		50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Trichloroethene	ND		50	"	"	"	"	"	"	

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SMB 2-7 Creek
C5C1975-01 (Liquid, Sampled: 03/13/25 10:45)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

Trichlorofluoromethane	ND		500	ug/L	100	5C14107	03/14/25	03/14/25	EPA 624.1	
Vinyl Chloride	ND		50	"	"	"	"	"	"	
Xylenes (m+p)	ND		50	"	"	"	"	"	"	
Xylenes (ortho)	ND		50	"	"	"	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			103 %	80-120		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4			109 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene			105 %	80-120		"	"	"	"	
Surrogate: Toluene-d8			101 %	80-120		"	"	"	"	

Semivolatile Organic Compounds by EPA 8270C SIM

Acenaphthene	0.02	0.02	0.05	ug/L	1	5C17160	03/17/25	03/18/25	EPA 8270C SIM	J
Acenaphthylene	ND	0.02	0.05	"	"	"	"	"	"	
Anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)pyrene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(ghi)perylene	ND	0.01	0.05	"	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.03	0.05	"	"	"	"	"	"	
Chrysene	ND	0.02	0.05	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.01	0.05	"	"	"	"	"	"	
Fluoranthene	0.03	0.02	0.05	"	"	"	"	"	"	J
Fluorene	0.01	0.01	0.05	"	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	ND	0.03	0.05	"	"	"	"	"	"	
Naphthalene	0.04	0.02	0.05	"	"	"	"	"	"	J
Phenanthrene	0.03	0.01	0.05	"	"	"	"	"	"	J
Pyrene	0.02	0.01	0.05	"	"	"	"	"	"	J
Surrogate: Anthracene-d10			73 %	10-162		"	"	"	"	



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SMB 2-7 Creek
C5C1975-01 (Liquid, Sampled: 03/13/25 10:45)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

10:2 Fluorotelomer sulfonate	ND	13	19	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
11-chloroeicosafuoro	ND	3.4	12	"	"	"	"	"	"	
3oxaundecane-1-sulfonic Acid										
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND	10	19	"	"	"	"	"	"	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND	10	19	"	"	"	"	"	"	
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	ND	5.6	12	"	"	"	"	"	"	
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ND	7.0	12	"	"	"	"	"	"	
4:2 Fluorotelomer Sulfonate	ND	4.9	12	"	"	"	"	"	"	NISm
6:2 Fluorotelomer Sulfonate	ND	3.6	12	"	"	"	"	"	"	
8:2 Fluorotelomer Sulfonate	ND	3.2	12	"	"	"	"	"	"	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	ND	2.1	12	"	"	"	"	"	"	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.6	12	"	"	"	"	"	"	
N-ethyl perfluorooctanesulfonamidoacetic	ND	11	19	"	"	"	"	"	"	
N-Ethylperfluorooctanesulfonamide (EtFOSA)	ND	8.3	19	"	"	"	"	"	"	
N-Ethylperfluorooctanesulfonamido ethanol (EtFOSE)	ND	8.0	19	"	"	"	"	"	"	NISm
N-methyl perfluorooctanesulfonamidoacetic	ND	6.3	19	"	"	"	"	"	"	
N-Methylperfluorooctanesulfonamide (MeFOSA)	ND	12	19	"	"	"	"	"	"	
N-Methylperfluorooctanesulfonamide ethanol (MeFOSE)	ND	12	19	"	"	"	"	"	"	
Perfluorobutanesulfonic Acid (PFBS)	11	5.8	12	"	"	"	"	"	"	J
Perfluorobutanoic acid (PFBA)	37	5.1	12	"	"	"	"	"	"	NISm
Perfluorodecanesulfonic acid (PFDS)	ND	6.8	12	"	"	"	"	"	"	
Perfluorodecanoic Acid (PFDA)	18	3.6	12	"	"	"	"	"	"	



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SMB 2-7 Creek
C5C1975-01 (Liquid, Sampled: 03/13/25 10:45)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

Perfluorododecanoic Acid (PFDoDA)	ND	5.1	12	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
Perfluoroheptanesulfonic acid (PFHpS)	ND	4.6	12	"	"	"	"	"	"	
Perfluoroheptanoic Acid (PFHpA)	18	7.8	12	"	"	"	"	"	"	
Perfluorohexadecanoic acid (PFHxDA)	ND	4.6	12	"	"	"	"	"	"	NISm
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.6	12	"	"	"	"	"	"	
Perfluorohexanoic Acid (PFHxA)	42	9.2	12	"	"	"	"	"	"	
Perfluorononanesulfonic acid (PFNS)	ND	7.0	12	"	"	"	"	"	"	
Perfluorononanoic Acid (PFNA)	8.9	5.3	12	"	"	"	"	"	"	J
Perfluorooctadecanoic acid (PFOcDA)	ND	10	12	"	"	"	"	"	"	NISm
Perfluorooctane Sulfonamide (PFOSA)	ND	7.5	19	"	"	"	"	"	"	
Perfluorooctanesulfonic Acid (PFOS)	27	3.6	12	"	"	"	"	"	"	
Perfluorooctanoic Acid (PFOA)	40	6.6	12	"	"	"	"	"	"	
Perfluoropentanesulfonate (PFPeS)	ND	7.5	12	"	"	"	"	"	"	
Perfluoropentanoic acid (PFPeA)	35	2.7	12	"	"	"	"	"	"	
Perfluorotetradecanoic Acid (PFTeDA)	ND	3.2	12	"	"	"	"	"	"	NISm
Perfluorotridecanoic Acid (PFTrDA)	ND	3.2	12	"	"	"	"	"	"	
Perfluoroundecanoic Acid (PFUnA)	2.5	2.2	12	"	"	"	"	"	"	J



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DPH 108
C5C1975-02 (Liquid, Sampled: 03/13/25 11:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc. - Riverside										
Cations										
Calcium	350	3.3	10	mg/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	NMint
Total Hardness	5800		10	"	"	"	"	"	SM 2340B/EPA 200.7	
Magnesium	1200	3.3	10	"	"	"	"	"	EPA 200.7	NMint
Magnesium-Dissolved	1200	1.7	5.0	"	1	5C17167	03/17/25	"	"	
Anions										
Bicarbonate	110	5.0	5.0	mg/L as CaCO3	1	5C17174	03/17/25	03/17/25	SM 2320B	
Carbonate	ND	5.0	5.0	"	"	"	"	"	"	
Hydroxide	ND	5.0	5.0	"	"	"	"	"	"	
Total Alkalinity	110	5.0	5.0	"	"	"	"	"	"	
Nitrate as N	ND	6.2	10	mg/L	50	5C13121	03/14/25	03/14/25	EPA 300.0	N_RLd
Nitrate/Nitrite as N	0.022	0.0024	0.010	"	1	5C17192	03/17/25	03/17/25	EPA 353.2	
Sulfate	2400	18	25	"	50	5C13121	03/14/25	03/14/25	EPA 300.0	
Solids										
Settleable Solids	2.0	0.1	0.1	mL/L	0.976	5C14106	03/14/25	03/14/25	SM 2540F	
Total Dissolved Solids	33000	500	500	mg/L	50	5C17212	03/17/25	03/17/25	SM 2540C	
Total Suspended Solids	180	1	1	"	2	5C14092	03/14/25	03/14/25	SM 2540D	
Aggregate Organic Compounds										
Total Organic Carbon	2.1		0.70	mg/L	1	5C17149	03/17/25	03/17/25	SM 5310B	
Nutrients										
Ammonia-Nitrogen	0.02	0.008	0.01	mg/L	1	5C18193	03/18/25	03/18/25	SM4500NH3 H G	
Ortho Phosphate Phosphorus	ND		2.5	"	50	5C13068	03/14/25	03/14/25	EPA 300.0	N_RLd
Ortho Phosphate Phosphorus	ND		0.050	"	1	5C14146	03/14/25	03/14/25	SM 4500P B E	
Phosphorus, Total as P	0.08	0.02	0.05	"	"	5C18160	03/18/25	03/19/25	"	
Kjeldahl Nitrogen	ND	2.3	2.5	"	"	5C14134	03/18/25	03/18/25	EPA 351.2	N_RLm
Total Nitrogen (N)	ND	2.3	2.5	"	"	[CALC]	"	"	Calculation	



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Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 108
C5C1975-02 (Liquid, Sampled: 03/13/25 11:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc. - Riverside										
Metals and Metalloids										
Aluminum	ND	170	500	ug/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm
Aluminum-Dissolved	ND	84	250	"	1	5C17167	03/17/25	"	"	N_RLm
Arsenic	7.2	7.1	20	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	N_RLm, J
Arsenic-Dissolved	14	8.8	25	"	1	5C14110	03/14/25	03/14/25	"	N_RLm, J
Cadmium	ND	0.99	4.0	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Cadmium-Dissolved	ND	1.2	10	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Total Chromium	ND	16	80	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Chromium-Dissolved	ND	20	100	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Copper	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Copper-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Iron	ND	260	500	"	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm, NMint
Iron-Dissolved	ND	130	250	"	1	5C17167	03/17/25	"	"	N_RLm
Mercury	ND	0.28	0.50	"	"	5C14104	03/14/25	03/18/25	SM 3112B	
Mercury-Dissolved	ND	0.28	0.50	"	"	"	"	03/18/25	"	
Manganese	ND	13	40	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	N_RLm
Manganese-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Nickel	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Nickel-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Lead	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Lead-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Selenium	130	6.7	20	"	4	5C14093	03/14/25	03/18/25	"	
Selenium-Dissolved	130	8.4	25	"	1	5C14110	03/14/25	03/14/25	"	
Zinc	ND	20	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Zinc-Dissolved	ND	25	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 108
C5C1975-02 (Liquid, Sampled: 03/13/25 11:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

1,1,1-Trichloroethane	ND		50	ug/L	100	5C14107	03/14/25	03/14/25	EPA 624.1	
1,1,2,2-Tetrachloroethane	ND		50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,2-Dichloroethane	ND		50	"	"	"	"	"	"	
1,2-Dichloropropane	ND		50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		50	"	"	"	"	"	"	
2-Chloroethylvinyl Ether	ND		500	"	"	"	"	"	"	NCEVE
Acrolein	ND		1000	"	"	"	"	"	"	
Acrylonitrile	ND		1000	"	"	"	"	"	"	
Benzene	ND		50	"	"	"	"	"	"	
Bromodichloromethane	ND		50	"	"	"	"	"	"	
Bromoform	ND		100	"	"	"	"	"	"	
Bromomethane	ND		50	"	"	"	"	"	"	
Carbon Tetrachloride	ND		50	"	"	"	"	"	"	
Chlorobenzene	ND		50	"	"	"	"	"	"	
Chloroethane	ND		50	"	"	"	"	"	"	
Chloroform	ND		50	"	"	"	"	"	"	
Chloromethane	ND		50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Dibromochloromethane	ND		50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		50	"	"	"	"	"	"	
Ethylbenzene	ND		50	"	"	"	"	"	"	
Methyl tert Butyl Ether	ND		500	"	"	"	"	"	"	
Methylene Chloride	ND		300	"	"	"	"	"	"	
Tetrachloroethene	ND		50	"	"	"	"	"	"	
Toluene	ND		50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Trichloroethene	ND		50	"	"	"	"	"	"	

Babcock Laboratories, Inc. - Riverside

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

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03/21/25 18:42

DPH 108
C5C1975-02 (Liquid, Sampled: 03/13/25 11:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

Trichlorofluoromethane	ND		500	ug/L	100	5C14107	03/14/25	03/14/25	EPA 624.1	
Vinyl Chloride	ND		50	"	"	"	"	"	"	
Xylenes (m+p)	ND		50	"	"	"	"	"	"	
Xylenes (ortho)	ND		50	"	"	"	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			104 %	80-120		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4			112 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene			104 %	80-120		"	"	"	"	
Surrogate: Toluene-d8			102 %	80-120		"	"	"	"	

Semivolatile Organic Compounds by EPA 8270C SIM

Acenaphthene	ND	0.02	0.05	ug/L	1	5C17160	03/17/25	03/18/25	EPA 8270C SIM	
Acenaphthylene	ND	0.02	0.05	"	"	"	"	"	"	
Anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)pyrene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(ghi)perylene	ND	0.01	0.05	"	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.03	0.05	"	"	"	"	"	"	
Chrysene	ND	0.02	0.05	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.01	0.05	"	"	"	"	"	"	
Fluoranthene	ND	0.02	0.05	"	"	"	"	"	"	
Fluorene	ND	0.01	0.05	"	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.03	0.05	"	"	"	"	"	"	
Naphthalene	ND	0.02	0.05	"	"	"	"	"	"	
Phenanthrene	ND	0.01	0.05	"	"	"	"	"	"	
Pyrene	ND	0.01	0.05	"	"	"	"	"	"	
Surrogate: Anthracene-d10			30 %	10-162		"	"	"	"	



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 108
C5C1975-02 (Liquid, Sampled: 03/13/25 11:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

10:2 Fluorotelomer sulfonate	ND	4.7	7.0	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
11-chloroeicosafuoro	ND	1.2	4.4	"	"	"	"	"	"	
3oxaundecane-1-sulfonic Acid										
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND	3.7	7.0	"	"	"	"	"	"	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND	3.6	7.0	"	"	"	"	"	"	
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	ND	2.0	4.4	"	"	"	"	"	"	
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ND	2.5	4.4	"	"	"	"	"	"	
4:2 Fluorotelomer Sulfonate	ND	1.7	4.4	"	"	"	"	"	"	
6:2 Fluorotelomer Sulfonate	ND	1.3	4.4	"	"	"	"	"	"	
8:2 Fluorotelomer Sulfonate	ND	1.1	4.4	"	"	"	"	"	"	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	ND	0.75	4.4	"	"	"	"	"	"	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7	4.4	"	"	"	"	"	"	
N-ethyl perfluorooctanesulfonamidoacetic										
N-Ethylperfluorooctanesulfonamide (EtFOSA)	ND	3.0	7.0	"	"	"	"	"	"	
N-Ethylperfluorooctanesulfonamido ethanol (EtFOSE)	ND	2.9	7.0	"	"	"	"	"	"	
N-methyl perfluorooctanesulfonamidoacetic										
N-Methylperfluorooctanesulfonamide (MeFOSA)	ND	4.3	7.0	"	"	"	"	"	"	
N-Methylperfluorooctanesulfonamide ethanol (MeFOSE)	ND	4.2	7.0	"	"	"	"	"	"	
Perfluorobutanesulfonic Acid (PFBS)	ND	2.1	4.4	"	"	"	"	"	"	
Perfluorobutanoic acid (PFBA)	ND	1.8	4.4	"	"	"	"	"	"	
Perfluorodecanesulfonic acid (PFDS)	ND	2.4	4.4	"	"	"	"	"	"	
Perfluorodecanoic Acid (PFDA)	3.6	1.3	4.4	"	"	"	"	"	"	J



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 108
C5C1975-02 (Liquid, Sampled: 03/13/25 11:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

Perfluorododecanoic Acid (PFDoDA)	ND	1.8	4.4	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7	4.4	"	"	"	"	"	"	
Perfluoroheptanoic Acid (PFHpA)	ND	2.8	4.4	"	"	"	"	"	"	
Perfluorohexadecanoic acid (PFHxDA)	ND	1.7	4.4	"	"	"	"	"	"	
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.7	4.4	"	"	"	"	"	"	
Perfluorohexanoic Acid (PFHxA)	ND	3.3	4.4	"	"	"	"	"	"	
Perfluorononanesulfonic acid (PFNS)	ND	2.5	4.4	"	"	"	"	"	"	
Perfluorononanoic Acid (PFNA)	ND	1.9	4.4	"	"	"	"	"	"	
Perfluorooctadecanoic acid (PFOcDA)	ND	3.6	4.4	"	"	"	"	"	"	
Perfluorooctane Sulfonamide (PFOSA)	ND	2.7	7.0	"	"	"	"	"	"	
Perfluorooctanesulfonic Acid (PFOS)	3.3	1.3	4.4	"	"	"	"	"	"	J
Perfluorooctanoic Acid (PFOA)	3.3	2.4	4.4	"	"	"	"	"	"	J
Perfluoropentanesulfonate (PFPeS)	ND	2.7	4.4	"	"	"	"	"	"	
Perfluoropentanoic acid (PFPeA)	ND	0.96	4.4	"	"	"	"	"	"	
Perfluorotetradecanoic Acid (PFTeDA)	ND	1.1	4.4	"	"	"	"	"	"	
Perfluorotridecanoic Acid (PFTTrDA)	ND	1.1	4.4	"	"	"	"	"	"	
Perfluoroundecanoic Acid (PFUnA)	ND	0.80	4.4	"	"	"	"	"	"	



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 105B
C5C1975-03 (Liquid, Sampled: 03/13/25 11:50)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc. - Riverside										
Cations										
Calcium	440	3.3	10	mg/L	10	5C17186	03/17/25	03/18/25	EPA 200.7	
Total Hardness	6100		10	"	"	"	"	"	SM 2340B/EPA 200.7	
Magnesium	1200	3.3	10	"	"	"	"	"	EPA 200.7	
Magnesium-Dissolved	1200	3.3	10	"	1	5C18152	03/18/25	03/18/25	"	
Anions										
Bicarbonate	120	5.0	5.0	mg/L as CaCO3	1	5C17174	03/17/25	03/17/25	SM 2320B	
Carbonate	ND	5.0	5.0	"	"	"	"	"	"	
Hydroxide	ND	5.0	5.0	"	"	"	"	"	"	
Total Alkalinity	120	5.0	5.0	"	"	"	"	"	"	
Nitrate as N	ND	6.2	10	mg/L	50	5C13121	03/14/25	03/14/25	EPA 300.0	N_RLd
Nitrate/Nitrite as N	0.14	0.0024	0.010	"	1	5C17192	03/17/25	03/17/25	EPA 353.2	
Sulfate	2600	18	25	"	50	5C13121	03/14/25	03/14/25	EPA 300.0	
Solids										
Settleable Solids	8.5	0.1	0.1	mL/L	1	5C14106	03/14/25	03/14/25	SM 2540F	
Total Dissolved Solids	31000	500	500	mg/L	50	5C17212	03/17/25	03/17/25	SM 2540C	
Total Suspended Solids	1200	5	5	"	10	5C14092	03/14/25	03/14/25	SM 2540D	
Aggregate Organic Compounds										
Total Organic Carbon	31		0.70	mg/L	1	5C17149	03/17/25	03/17/25	SM 5310B	
Nutrients										
Ammonia-Nitrogen	0.2	0.008	0.01	mg/L	1	5C18193	03/18/25	03/18/25	SM4500NH3 H G	
Ortho Phosphate Phosphorus	ND		2.5	"	50	5C13068	03/14/25	03/14/25	EPA 300.0	N_RLd
Ortho Phosphate Phosphorus	0.14		0.050	"	1	5C14146	03/14/25	03/14/25	SM 4500P B E	
Phosphorus, Total as P	1.7	0.19	0.50	"	10	5C18160	03/18/25	03/19/25	"	
Kjeldahl Nitrogen	7.8	2.3	2.5	"	1	5C14134	03/18/25	03/18/25	EPA 351.2	
Total Nitrogen (N)	8.0	2.3	2.5	"	"	[CALC]	"	"	Calculation	



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 105B
C5C1975-03 (Liquid, Sampled: 03/13/25 11:50)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc. - Riverside										
Metals and Metalloids										
Aluminum	10000	170	500	ug/L	10	5C17186	03/17/25	03/18/25	EPA 200.7	
Aluminum-Dissolved	ND	170	500	"	1	5C18152	03/18/25	03/18/25	"	N_RLm
Arsenic	ND	35	100	"	20	5C17158	03/17/25	03/18/25	EPA 200.8	N_RLm
Arsenic-Dissolved	47	35	100	"	1	5C14110	03/14/25	03/14/25	"	N_RLm, J
Cadmium	ND	4.9	20	"	20	5C17158	03/17/25	03/18/25	"	N_RLm
Cadmium-Dissolved	ND	4.9	40	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Total Chromium	ND	81	400	"	20	5C17158	03/17/25	03/18/25	"	N_RLm
Chromium-Dissolved	ND	81	400	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Copper	ND	67	200	"	20	5C17158	03/17/25	03/18/25	"	N_RLm
Copper-Dissolved	ND	67	200	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Iron	14000	260	500	"	10	5C17186	03/17/25	03/18/25	EPA 200.7	
Iron-Dissolved	ND	260	500	"	1	5C18152	03/18/25	03/18/25	"	N_RLm
Mercury	1.5	0.28	0.50	"	"	5C14104	03/14/25	03/18/25	SM 3112B	N_ppH
Mercury-Dissolved	ND	0.28	0.50	"	"	"	"	03/18/25	"	
Manganese	1500	67	200	"	20	5C17158	03/17/25	03/18/25	EPA 200.8	
Manganese-Dissolved	77	67	200	"	1	5C14110	03/14/25	03/14/25	"	N_RLm, J
Nickel	ND	67	200	"	20	5C17158	03/17/25	03/18/25	"	N_RLm
Nickel-Dissolved	ND	67	200	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Lead	ND	67	200	"	20	5C17158	03/17/25	03/18/25	"	N_RLm
Lead-Dissolved	ND	67	200	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Selenium	160	33	100	"	20	5C17158	03/17/25	03/18/25	"	
Selenium-Dissolved	200	33	100	"	1	5C14110	03/14/25	03/14/25	"	
Zinc	240	99	200	"	20	5C17158	03/17/25	03/18/25	"	N_TD
Zinc-Dissolved	ND	99	200	"	1	5C14110	03/14/25	03/14/25	"	N_RLm



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc. - Riverside
 6100 Quail Valley Court
 Riverside, CA 92507-0704
 (951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
 Project Number: Wildfire Response 2025
 Project Manager: John Salguero

Reported:
 03/21/25 18:42

DPH 105B
C5C1975-03 (Liquid, Sampled: 03/13/25 11:50)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

1,1,1-Trichloroethane	ND		50	ug/L	100	5C14107	03/14/25	03/14/25	EPA 624.1	
1,1,2,2-Tetrachloroethane	ND		50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,2-Dichloroethane	ND		50	"	"	"	"	"	"	
1,2-Dichloropropane	ND		50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		50	"	"	"	"	"	"	
2-Chloroethylvinyl Ether	ND		500	"	"	"	"	"	"	NCEVE
Acrolein	ND		1000	"	"	"	"	"	"	
Acrylonitrile	ND		1000	"	"	"	"	"	"	
Benzene	ND		50	"	"	"	"	"	"	
Bromodichloromethane	ND		50	"	"	"	"	"	"	
Bromoform	ND		100	"	"	"	"	"	"	
Bromomethane	ND		50	"	"	"	"	"	"	
Carbon Tetrachloride	ND		50	"	"	"	"	"	"	
Chlorobenzene	ND		50	"	"	"	"	"	"	
Chloroethane	ND		50	"	"	"	"	"	"	
Chloroform	ND		50	"	"	"	"	"	"	
Chloromethane	ND		50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Dibromochloromethane	ND		50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		50	"	"	"	"	"	"	
Ethylbenzene	ND		50	"	"	"	"	"	"	
Methyl tert Butyl Ether	ND		500	"	"	"	"	"	"	
Methylene Chloride	ND		300	"	"	"	"	"	"	
Tetrachloroethene	ND		50	"	"	"	"	"	"	
Toluene	ND		50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Trichloroethene	ND		50	"	"	"	"	"	"	

Babcock Laboratories, Inc. - Riverside

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 105B
C5C1975-03 (Liquid, Sampled: 03/13/25 11:50)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

Trichlorofluoromethane	ND		500	ug/L	100	5C14107	03/14/25	03/14/25	EPA 624.1	
Vinyl Chloride	ND		50	"	"	"	"	"	"	
Xylenes (m+p)	ND		50	"	"	"	"	"	"	
Xylenes (ortho)	ND		50	"	"	"	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			104 %	80-120		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4			113 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene			104 %	80-120		"	"	"	"	
Surrogate: Toluene-d8			102 %	80-120		"	"	"	"	

Semivolatile Organic Compounds by EPA 8270C SIM

N_RLm

Acenaphthene	0.31	0.16	0.50	ug/L	10	5C17160	03/17/25	03/18/25	EPA 8270C SIM	J
Acenaphthylene	0.17	0.15	0.50	"	"	"	"	"	"	J
Anthracene	ND	0.15	0.50	"	"	"	"	"	"	
Benzo(a)anthracene	ND	0.16	0.50	"	"	"	"	"	"	
Benzo(a)pyrene	ND	0.19	0.50	"	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.18	0.50	"	"	"	"	"	"	
Benzo(ghi)perylene	ND	0.14	0.50	"	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.28	0.50	"	"	"	"	"	"	
Chrysene	0.28	0.15	0.50	"	"	"	"	"	"	J
Dibenzo(a,h)anthracene	ND	0.15	0.50	"	"	"	"	"	"	
Fluoranthene	ND	0.15	0.50	"	"	"	"	"	"	
Fluorene	0.55	0.15	0.50	"	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.30	0.50	"	"	"	"	"	"	
Naphthalene	0.37	0.18	0.50	"	"	"	"	"	"	J
Phenanthrene	0.83	0.14	0.50	"	"	"	"	"	"	
Pyrene	0.18	0.14	0.50	"	"	"	"	"	"	J
Surrogate: Anthracene-d10			23 %	10-162		"	"	"	"	



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 105B
C5C1975-03 (Liquid, Sampled: 03/13/25 11:50)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

10:2 Fluorotelomer sulfonate	ND	14	20	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
11-chloroeicosafluoro	ND	3.5	12	"	"	"	"	"	"	
3oxaundecane-1-sulfonic Acid										
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND	10	20	"	"	"	"	"	"	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND	10	20	"	"	"	"	"	"	
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	ND	5.8	12	"	"	"	"	"	"	
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ND	7.2	12	"	"	"	"	"	"	
4:2 Fluorotelomer Sulfonate	ND	5.0	12	"	"	"	"	"	"	NISm
6:2 Fluorotelomer Sulfonate	ND	3.8	12	"	"	"	"	"	"	
8:2 Fluorotelomer Sulfonate	ND	3.2	12	"	"	"	"	"	"	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	ND	2.2	12	"	"	"	"	"	"	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.8	12	"	"	"	"	"	"	
N-ethyl perfluorooctanesulfonamidoacetic										
N-Ethylperfluorooctanesulfonamide (EtFOSA)	ND	8.5	20	"	"	"	"	"	"	NISm
N-Ethylperfluorooctanesulfonamido ethanol (EtFOSE)	ND	8.2	20	"	"	"	"	"	"	NISm
N-methyl perfluorooctanesulfonamidoacetic										
N-Methylperfluorooctanesulfonamide (MeFOSA)	ND	12	20	"	"	"	"	"	"	NISm
N-Methylperfluorooctanesulfonamide ethanol (MeFOSE)	ND	12	20	"	"	"	"	"	"	
Perfluorobutanesulfonic Acid (PFBS)	ND	6.0	12	"	"	"	"	"	"	
Perfluorobutanoic acid (PFBA)	ND	5.2	12	"	"	"	"	"	"	
Perfluorodecanesulfonic acid (PFDS)	ND	7.0	12	"	"	"	"	"	"	
Perfluorodecanoic Acid (PFDA)	17	3.8	12	"	"	"	"	"	"	



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 105B
C5C1975-03 (Liquid, Sampled: 03/13/25 11:50)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

Perfluorododecanoic Acid (PFDoDA)	ND	5.2	12	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
Perfluoroheptanesulfonic acid (PFHpS)	ND	4.8	12	"	"	"	"	"	"	
Perfluoroheptanoic Acid (PFHpA)	ND	8.0	12	"	"	"	"	"	"	
Perfluorohexadecanoic acid (PFHxDA)	ND	4.8	12	"	"	"	"	"	"	
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.8	12	"	"	"	"	"	"	
Perfluorohexanoic Acid (PFHxA)	ND	9.5	12	"	"	"	"	"	"	
Perfluorononanesulfonic acid (PFNS)	ND	7.2	12	"	"	"	"	"	"	
Perfluorononanoic Acid (PFNA)	8.1	5.5	12	"	"	"	"	"	"	J
Perfluorooctadecanoic acid (PFOcDA)	ND	10	12	"	"	"	"	"	"	
Perfluorooctane Sulfonamide (PFOSA)	ND	7.8	20	"	"	"	"	"	"	
Perfluorooctanesulfonic Acid (PFOS)	39	3.8	12	"	"	"	"	"	"	
Perfluorooctanoic Acid (PFOA)	19	6.8	12	"	"	"	"	"	"	
Perfluoropentanesulfonate (PFPeS)	ND	7.8	12	"	"	"	"	"	"	
Perfluoropentanoic acid (PFPeA)	ND	2.8	12	"	"	"	"	"	"	
Perfluorotetradecanoic Acid (PFTeDA)	ND	3.2	12	"	"	"	"	"	"	
Perfluorotridecanoic Acid (PFTrDA)	ND	3.2	12	"	"	"	"	"	"	
Perfluoroundecanoic Acid (PFUnA)	3.9	2.3	12	"	"	"	"	"	"	J



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SB 3-4 DUPE
C5C1975-04 (Liquid, Sampled: 03/13/25 08:35)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc. - Riverside										
Cations										
Calcium	360	3.3	10	mg/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	
Total Hardness	5900		10	"	"	"	"	"	SM 2340B/EPA 200.7	
Magnesium	1200	3.3	10	"	"	"	"	"	EPA 200.7	
Magnesium-Dissolved	1200	3.3	10	"	1	5C18152	03/18/25	03/18/25	"	
Anions										
Bicarbonate	110	5.0	5.0	mg/L as CaCO3	1	5C17174	03/17/25	03/17/25	SM 2320B	
Carbonate	ND	5.0	5.0	"	"	"	"	"	"	
Hydroxide	ND	5.0	5.0	"	"	"	"	"	"	
Total Alkalinity	110	5.0	5.0	"	"	"	"	"	"	
Nitrate as N	ND	0.12	0.20	mg/L	"	5C13115	03/14/25	03/14/25	EPA 300.0	
Nitrate/Nitrite as N	0.036	0.0024	0.010	"	"	5C17192	03/17/25	03/17/25	EPA 353.2	
Sulfate	50	0.36	0.50	"	"	5C13115	03/14/25	03/14/25	EPA 300.0	
Solids										
Settleable Solids	2.5	0.1	0.1	mL/L	1	5C13128	03/13/25	03/13/25	SM 2540F	NRPDo
Total Dissolved Solids	34000	500	500	mg/L	50	5C17212	03/17/25	03/17/25	SM 2540C	
Total Suspended Solids	260	1	1	"	2	5C14092	03/14/25	03/14/25	SM 2540D	
Aggregate Organic Compounds										
Total Organic Carbon	1.7		0.70	mg/L	1	5C17149	03/17/25	03/17/25	SM 5310B	
Nutrients										
Ammonia-Nitrogen	0.02	0.008	0.01	mg/L	1	5C18193	03/18/25	03/18/25	SM4500NH3 H G	
Ortho Phosphate Phosphorus	ND		2.5	"	50	5C13068	03/13/25	03/13/25	EPA 300.0	N_RLd
Ortho Phosphate Phosphorus	ND		0.050	"	1	5C14146	03/14/25	03/14/25	SM 4500P B E	
Phosphorus, Total as P	0.10	0.02	0.05	"	"	5C18160	03/18/25	03/19/25	"	
Kjeldahl Nitrogen	ND	2.3	2.5	"	"	5C14134	03/18/25	03/18/25	EPA 351.2	N_RLm
Total Nitrogen (N)	ND	2.3	2.5	"	"	[CALC]	"	"	Calculation	



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SB 3-4 DUPE
C5C1975-04 (Liquid, Sampled: 03/13/25 08:35)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc. - Riverside										
Metals and Metalloids										
Aluminum	ND	170	500	ug/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm
Aluminum-Dissolved	ND	170	500	"	1	5C18152	03/18/25	03/18/25	"	N_RLm
Arsenic	8.2	7.1	20	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	N_RLm, J
Arsenic-Dissolved	15	8.8	25	"	1	5C14110	03/14/25	03/14/25	"	N_RLm, J
Cadmium	ND	0.99	4.0	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Cadmium-Dissolved	ND	1.2	10	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Total Chromium	ND	16	80	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Chromium-Dissolved	ND	20	100	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Copper	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Copper-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Iron	ND	260	500	"	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm
Iron-Dissolved	ND	260	500	"	1	5C18152	03/18/25	03/18/25	"	N_RLm
Mercury	ND	0.28	0.50	"	"	5C14104	03/14/25	03/18/25	SM 3112B	
Mercury-Dissolved	ND	0.28	0.50	"	"	"	"	03/18/25	"	
Manganese	ND	13	40	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	N_RLm
Manganese-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Nickel	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Nickel-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Lead	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Lead-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Selenium	150	6.7	20	"	4	5C14093	03/14/25	03/18/25	"	
Selenium-Dissolved	140	8.4	25	"	1	5C14110	03/14/25	03/14/25	"	
Zinc	ND	20	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Zinc-Dissolved	ND	25	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Babcock Laboratories, Inc. - Riverside
 6100 Quail Valley Court
 Riverside, CA 92507-0704
 (951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
 Project Number: Wildfire Response 2025
 Project Manager: John Salguero

Reported:
 03/21/25 18:42

SB 3-4 DUPE
C5C1975-04 (Liquid, Sampled: 03/13/25 08:35)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

1,1,1-Trichloroethane	ND		50	ug/L	100	5C14107	03/14/25	03/14/25	EPA 624.1	
1,1,2,2-Tetrachloroethane	ND		50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,2-Dichloroethane	ND		50	"	"	"	"	"	"	
1,2-Dichloropropane	ND		50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		50	"	"	"	"	"	"	
2-Chloroethylvinyl Ether	ND		500	"	"	"	"	"	"	NCEVE
Acrolein	ND		1000	"	"	"	"	"	"	
Acrylonitrile	ND		1000	"	"	"	"	"	"	
Benzene	ND		50	"	"	"	"	"	"	
Bromodichloromethane	ND		50	"	"	"	"	"	"	
Bromoform	ND		100	"	"	"	"	"	"	
Bromomethane	ND		50	"	"	"	"	"	"	
Carbon Tetrachloride	ND		50	"	"	"	"	"	"	
Chlorobenzene	ND		50	"	"	"	"	"	"	
Chloroethane	ND		50	"	"	"	"	"	"	
Chloroform	ND		50	"	"	"	"	"	"	
Chloromethane	ND		50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Dibromochloromethane	ND		50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		50	"	"	"	"	"	"	
Ethylbenzene	ND		50	"	"	"	"	"	"	
Methyl tert Butyl Ether	ND		500	"	"	"	"	"	"	
Methylene Chloride	ND		300	"	"	"	"	"	"	
Tetrachloroethene	ND		50	"	"	"	"	"	"	
Toluene	ND		50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Trichloroethene	ND		50	"	"	"	"	"	"	

Babcock Laboratories, Inc. - Riverside

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SB 3-4 DUPE
C5C1975-04 (Liquid, Sampled: 03/13/25 08:35)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

Trichlorofluoromethane	ND		500	ug/L	100	5C14107	03/14/25	03/14/25	EPA 624.1	
Vinyl Chloride	ND		50	"	"	"	"	"	"	
Xylenes (m+p)	ND		50	"	"	"	"	"	"	
Xylenes (ortho)	ND		50	"	"	"	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			102 %	80-120		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4			110 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene			106 %	80-120		"	"	"	"	
Surrogate: Toluene-d8			100 %	80-120		"	"	"	"	

Semivolatile Organic Compounds by EPA 8270C SIM

Acenaphthene	ND	0.02	0.05	ug/L	1	5C17160	03/17/25	03/18/25	EPA 8270C SIM	
Acenaphthylene	ND	0.02	0.05	"	"	"	"	"	"	
Anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)pyrene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(ghi)perylene	ND	0.01	0.05	"	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.03	0.05	"	"	"	"	"	"	
Chrysene	ND	0.02	0.05	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.01	0.05	"	"	"	"	"	"	
Fluoranthene	ND	0.02	0.05	"	"	"	"	"	"	
Fluorene	ND	0.01	0.05	"	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.03	0.05	"	"	"	"	"	"	
Naphthalene	ND	0.02	0.05	"	"	"	"	"	"	
Phenanthrene	ND	0.01	0.05	"	"	"	"	"	"	
Pyrene	ND	0.01	0.05	"	"	"	"	"	"	
Surrogate: Anthracene-d10			40 %	10-162		"	"	"	"	



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SB 3-4 DUPE
C5C1975-04 (Liquid, Sampled: 03/13/25 08:35)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

10:2 Fluorotelomer sulfonate	ND	5.4	8.0	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
11-chloroeicosafuoro	ND	1.4	5.0	"	"	"	"	"	"	
3oxaundecane-1-sulfonic Acid										
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND	4.2	8.0	"	"	"	"	"	"	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND	4.1	8.0	"	"	"	"	"	"	
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	ND	2.3	5.0	"	"	"	"	"	"	
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ND	2.9	5.0	"	"	"	"	"	"	
4:2 Fluorotelomer Sulfonate	ND	2.0	5.0	"	"	"	"	"	"	
6:2 Fluorotelomer Sulfonate	ND	1.5	5.0	"	"	"	"	"	"	
8:2 Fluorotelomer Sulfonate	ND	1.3	5.0	"	"	"	"	"	"	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	ND	0.86	5.0	"	"	"	"	"	"	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	5.0	"	"	"	"	"	"	
N-ethyl perfluorooctanesulfonamidoacetic										
N-Ethylperfluorooctanesulfonamide (EtFOSA)	ND	3.4	8.0	"	"	"	"	"	"	NISm
N-Ethylperfluorooctanesulfonamido ethanol (EtFOSE)	ND	3.3	8.0	"	"	"	"	"	"	
N-methyl perfluorooctanesulfonamidoacetic										
N-Methylperfluorooctanesulfonamide (MeFOSA)	ND	4.9	8.0	"	"	"	"	"	"	
N-Methylperfluorooctanesulfonamide ethanol (MeFOSE)	ND	4.8	8.0	"	"	"	"	"	"	
Perfluorobutanesulfonic Acid (PFBS)	ND	2.4	5.0	"	"	"	"	"	"	
Perfluorobutanoic acid (PFBA)	ND	2.1	5.0	"	"	"	"	"	"	
Perfluorodecanesulfonic acid (PFDS)	ND	2.8	5.0	"	"	"	"	"	"	
Perfluorodecanoic Acid (PFDA)	4.6	1.5	5.0	"	"	"	"	"	"	J



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SB 3-4 DUPE
C5C1975-04 (Liquid, Sampled: 03/13/25 08:35)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

Perfluorododecanoic Acid (PFDoDA)	ND	2.1	5.0	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	5.0	"	"	"	"	"	"	
Perfluoroheptanoic Acid (PFHpA)	ND	3.2	5.0	"	"	"	"	"	"	
Perfluorohexadecanoic acid (PFHxDA)	ND	1.9	5.0	"	"	"	"	"	"	NISm
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.9	5.0	"	"	"	"	"	"	
Perfluorohexanoic Acid (PFHxA)	ND	3.8	5.0	"	"	"	"	"	"	
Perfluorononanesulfonic acid (PFNS)	ND	2.9	5.0	"	"	"	"	"	"	
Perfluorononanoic Acid (PFNA)	ND	2.2	5.0	"	"	"	"	"	"	
Perfluorooctadecanoic acid (PFOcDA)	ND	4.1	5.0	"	"	"	"	"	"	NISm
Perfluorooctane Sulfonamide (PFOSA)	ND	3.1	8.0	"	"	"	"	"	"	
Perfluorooctanesulfonic Acid (PFOS)	6.4	1.5	5.0	"	"	"	"	"	"	
Perfluorooctanoic Acid (PFOA)	5.4	2.7	5.0	"	"	"	"	"	"	
Perfluoropentanesulfonate (PFPeS)	ND	3.1	5.0	"	"	"	"	"	"	
Perfluoropentanoic acid (PFPeA)	2.4	1.1	5.0	"	"	"	"	"	"	J
Perfluorotetradecanoic Acid (PFTeDA)	ND	1.3	5.0	"	"	"	"	"	"	
Perfluorotridecanoic Acid (PFTrDA)	ND	1.3	5.0	"	"	"	"	"	"	
Perfluoroundecanoic Acid (PFUnA)	0.92	0.92	5.0	"	"	"	"	"	"	J



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SB 3-4

C5C1975-05 (Liquid, Sampled: 03/13/25 08:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc. - Riverside										
Cations										
Calcium	360	3.3	10	mg/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	
Total Hardness	5900		10	"	"	"	"	"	SM 2340B/EPA 200.7	
Magnesium	1200	3.3	10	"	"	"	"	"	EPA 200.7	
Magnesium-Dissolved	1200	3.3	10	"	1	5C18152	03/18/25	03/18/25	"	
Anions										
Bicarbonate	110	5.0	5.0	mg/L as CaCO3	1	5C17174	03/17/25	03/17/25	SM 2320B	
Carbonate	ND	5.0	5.0	"	"	"	"	"	"	
Hydroxide	ND	5.0	5.0	"	"	"	"	"	"	
Total Alkalinity	110	5.0	5.0	"	"	"	"	"	"	
Nitrate as N	ND	0.12	0.20	mg/L	"	5C13115	03/14/25	03/14/25	EPA 300.0	
Nitrate/Nitrite as N	0.037	0.0024	0.010	"	"	5C17192	03/17/25	03/17/25	EPA 353.2	
Sulfate	51	0.36	0.50	"	"	5C13115	03/14/25	03/14/25	EPA 300.0	
Solids										
Settleable Solids	3.5	0.1	0.1	mL/L	1	5C13128	03/13/25	03/13/25	SM 2540F	
Total Dissolved Solids	34000	500	500	mg/L	50	5C17212	03/17/25	03/17/25	SM 2540C	
Total Suspended Solids	700	2	2	"	4	5C14092	03/14/25	03/14/25	SM 2540D	
Aggregate Organic Compounds										
Total Organic Carbon	1.7		0.70	mg/L	1	5C17149	03/17/25	03/17/25	SM 5310B	
Nutrients										
Ammonia-Nitrogen	0.02	0.008	0.01	mg/L	1	5C18193	03/18/25	03/18/25	SM4500NH3 H G	
Ortho Phosphate Phosphorus	ND		2.5	"	50	5C13068	03/13/25	03/13/25	EPA 300.0	N_RLd
Ortho Phosphate Phosphorus	ND		0.050	"	1	5C14146	03/14/25	03/14/25	SM 4500P B E	
Phosphorus, Total as P	0.08	0.02	0.05	"	"	5C18160	03/18/25	03/19/25	"	
Kjeldahl Nitrogen	ND	2.3	2.5	"	"	5C14134	03/18/25	03/18/25	EPA 351.2	N_RLm
Total Nitrogen (N)	ND	2.3	2.5	"	"	[CALC]	"	"	Calculation	

Babcock Laboratories, Inc. - Riverside

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State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SB 3-4

C5C1975-05 (Liquid, Sampled: 03/13/25 08:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Metals and Metalloids

Aluminum	ND	170	500	ug/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm
Aluminum-Dissolved	ND	170	500	"	1	5C18152	03/18/25	03/18/25	"	N_RLm
Arsenic	8.2	7.1	20	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	N_RLm, J
Arsenic-Dissolved	14	8.8	25	"	1	5C14110	03/14/25	03/14/25	"	N_RLm, J
Cadmium	ND	0.99	4.0	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Cadmium-Dissolved	ND	1.2	10	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Total Chromium	ND	16	80	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Chromium-Dissolved	ND	20	100	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Copper	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Copper-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Iron	ND	260	500	"	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm
Iron-Dissolved	ND	260	500	"	1	5C18152	03/18/25	03/18/25	"	N_RLm
Mercury	ND	0.28	0.50	"	"	5C14104	03/14/25	03/18/25	SM 3112B	
Mercury-Dissolved	ND	0.28	0.50	"	"	"	"	03/18/25	"	
Manganese	23	13	40	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	N_RLm, J
Manganese-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Nickel	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Nickel-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Lead	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Lead-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Selenium	140	6.7	20	"	4	5C14093	03/14/25	03/18/25	"	
Selenium-Dissolved	140	8.4	25	"	1	5C14110	03/14/25	03/14/25	"	
Zinc	23	20	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm, J
Zinc-Dissolved	ND	25	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm



BABCOCK Laboratories, Inc.
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Babcock Laboratories, Inc. - Riverside
 6100 Quail Valley Court
 Riverside, CA 92507-0704
 (951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
 Project Number: Wildfire Response 2025
 Project Manager: John Salguero

Reported:
 03/21/25 18:42

SB 3-4
C5C1975-05 (Liquid, Sampled: 03/13/25 08:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

1,1,1-Trichloroethane	ND		50	ug/L	100	5C14107	03/14/25	03/14/25	EPA 624.1	
1,1,2,2-Tetrachloroethane	ND		50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,2-Dichloroethane	ND		50	"	"	"	"	"	"	
1,2-Dichloropropane	ND		50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		50	"	"	"	"	"	"	
2-Chloroethylvinyl Ether	ND		500	"	"	"	"	"	"	NCEVE
Acrolein	ND		1000	"	"	"	"	"	"	
Acrylonitrile	ND		1000	"	"	"	"	"	"	
Benzene	ND		50	"	"	"	"	"	"	
Bromodichloromethane	ND		50	"	"	"	"	"	"	
Bromoform	ND		100	"	"	"	"	"	"	
Bromomethane	ND		50	"	"	"	"	"	"	
Carbon Tetrachloride	ND		50	"	"	"	"	"	"	
Chlorobenzene	ND		50	"	"	"	"	"	"	
Chloroethane	ND		50	"	"	"	"	"	"	
Chloroform	ND		50	"	"	"	"	"	"	
Chloromethane	ND		50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Dibromochloromethane	ND		50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		50	"	"	"	"	"	"	
Ethylbenzene	ND		50	"	"	"	"	"	"	
Methyl tert Butyl Ether	ND		500	"	"	"	"	"	"	
Methylene Chloride	ND		300	"	"	"	"	"	"	
Tetrachloroethene	ND		50	"	"	"	"	"	"	
Toluene	ND		50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Trichloroethene	ND		50	"	"	"	"	"	"	

Babcock Laboratories, Inc. - Riverside

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State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SB 3-4

C5C1975-05 (Liquid, Sampled: 03/13/25 08:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

Trichlorofluoromethane	ND		500	ug/L	100	5C14107	03/14/25	03/14/25	EPA 624.1	
Vinyl Chloride	ND		50	"	"	"	"	"	"	
Xylenes (m+p)	ND		50	"	"	"	"	"	"	
Xylenes (ortho)	ND		50	"	"	"	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			102 %	80-120		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4			113 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene			106 %	80-120		"	"	"	"	
Surrogate: Toluene-d8			101 %	80-120		"	"	"	"	

Semivolatile Organic Compounds by EPA 8270C SIM

Acenaphthene	ND	0.02	0.05	ug/L	1	5C17160	03/17/25	03/18/25	EPA 8270C SIM	
Acenaphthylene	ND	0.02	0.05	"	"	"	"	"	"	
Anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)pyrene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(ghi)perylene	ND	0.01	0.05	"	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.03	0.05	"	"	"	"	"	"	
Chrysene	ND	0.02	0.05	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.01	0.05	"	"	"	"	"	"	
Fluoranthene	ND	0.02	0.05	"	"	"	"	"	"	
Fluorene	ND	0.01	0.05	"	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.03	0.05	"	"	"	"	"	"	
Naphthalene	ND	0.02	0.05	"	"	"	"	"	"	
Phenanthrene	ND	0.01	0.05	"	"	"	"	"	"	
Pyrene	ND	0.01	0.05	"	"	"	"	"	"	
Surrogate: Anthracene-d10			42 %	10-162		"	"	"	"	



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SB 3-4

C5C1975-05 (Liquid, Sampled: 03/13/25 08:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

10:2 Fluorotelomer sulfonate	ND	4.9	7.2	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
11-chloroeicosafuoro	ND	1.3	4.5	"	"	"	"	"	"	
3oxaundecane-1-sulfonic Acid										
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND	3.8	7.2	"	"	"	"	"	"	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND	3.7	7.2	"	"	"	"	"	"	
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	ND	2.1	4.5	"	"	"	"	"	"	
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ND	2.6	4.5	"	"	"	"	"	"	
4:2 Fluorotelomer Sulfonate	ND	1.8	4.5	"	"	"	"	"	"	
6:2 Fluorotelomer Sulfonate	ND	1.4	4.5	"	"	"	"	"	"	
8:2 Fluorotelomer Sulfonate	ND	1.2	4.5	"	"	"	"	"	"	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	ND	0.78	4.5	"	"	"	"	"	"	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7	4.5	"	"	"	"	"	"	
N-ethyl perfluorooctanesulfonamidoacetic	ND	4.0	7.2	"	"	"	"	"	"	NISm
N-Ethylperfluorooctanesulfonamide (EtFOSA)	ND	3.1	7.2	"	"	"	"	"	"	NISm
N-Ethylperfluorooctanesulfonamido ethanol (EtFOSE)	ND	3.0	7.2	"	"	"	"	"	"	NISm
N-methyl perfluorooctanesulfonamidoacetic	ND	2.3	7.2	"	"	"	"	"	"	NISm
N-Methylperfluorooctanesulfonamide (MeFOSA)	ND	4.4	7.2	"	"	"	"	"	"	NISm
N-Methylperfluorooctanesulfonamide ethanol (MeFOSE)	ND	4.3	7.2	"	"	"	"	"	"	NISm
Perfluorobutanesulfonic Acid (PFBS)	ND	2.2	4.5	"	"	"	"	"	"	
Perfluorobutanoic acid (PFBA)	ND	1.9	4.5	"	"	"	"	"	"	
Perfluorodecanesulfonic acid (PFDS)	ND	2.5	4.5	"	"	"	"	"	"	
Perfluorodecanoic Acid (PFDA)	5.3	1.4	4.5	"	"	"	"	"	"	



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SB 3-4

C5C1975-05 (Liquid, Sampled: 03/13/25 08:40)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

Perfluorododecanoic Acid (PFDoDA)	ND	1.9	4.5	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	NISm
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7	4.5	"	"	"	"	"	"	
Perfluoroheptanoic Acid (PFHpA)	ND	2.9	4.5	"	"	"	"	"	"	
Perfluorohexadecanoic acid (PFHxDA)	ND	1.7	4.5	"	"	"	"	"	"	NISm
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.7	4.5	"	"	"	"	"	"	
Perfluorohexanoic Acid (PFHxA)	ND	3.4	4.5	"	"	"	"	"	"	
Perfluorononanesulfonic acid (PFNS)	ND	2.6	4.5	"	"	"	"	"	"	
Perfluorononanoic Acid (PFNA)	2.2	2.0	4.5	"	"	"	"	"	"	J
Perfluorooctadecanoic acid (PFOcDA)	ND	3.7	4.5	"	"	"	"	"	"	NISm
Perfluorooctane Sulfonamide (PFOSA)	ND	2.8	7.2	"	"	"	"	"	"	NISm
Perfluorooctanesulfonic Acid (PFOS)	7.5	1.4	4.5	"	"	"	"	"	"	
Perfluorooctanoic Acid (PFOA)	3.9	2.4	4.5	"	"	"	"	"	"	J
Perfluoropentanesulfonate (PFPeS)	ND	2.8	4.5	"	"	"	"	"	"	
Perfluoropentanoic acid (PFPeA)	ND	0.99	4.5	"	"	"	"	"	"	
Perfluorotetradecanoic Acid (PFTeDA)	ND	1.2	4.5	"	"	"	"	"	"	NISm
Perfluorotridecanoic Acid (PFTrDA)	ND	1.2	4.5	"	"	"	"	"	"	NISm
Perfluoroundecanoic Acid (PFUnA)	1.0	0.83	4.5	"	"	"	"	"	"	NISm, J



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 107B
C5C1975-06 (Liquid, Sampled: 03/13/25 10:30)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc. - Riverside										
Cations										
Calcium	370	3.3	10	mg/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	
Total Hardness	6100		10	"	"	"	"	"	SM 2340B/EPA 200.7	
Magnesium	1200	3.3	10	"	"	"	"	"	EPA 200.7	
Magnesium-Dissolved	1200	1.7	5.0	"	1	5C17167	03/17/25	"	"	
Anions										
Bicarbonate	110	5.0	5.0	mg/L as CaCO3	1	5C17174	03/17/25	03/17/25	SM 2320B	
Carbonate	ND	5.0	5.0	"	"	"	"	"	"	
Hydroxide	ND	5.0	5.0	"	"	"	"	"	"	
Total Alkalinity	110	5.0	5.0	"	"	"	"	"	"	
Nitrate as N	ND	6.2	10	mg/L	50	5C13121	03/14/25	03/14/25	EPA 300.0	N_RLd
Nitrate/Nitrite as N	0.020	0.0024	0.010	"	1	5C17192	03/17/25	03/17/25	EPA 353.2	
Sulfate	2600	18	25	"	50	5C13121	03/14/25	03/14/25	EPA 300.0	
Solids										
Settleable Solids	2.9	0.1	0.1	mL/L	0.964	5C14106	03/14/25	03/14/25	SM 2540F	NRPDo
Total Dissolved Solids	33000	500	500	mg/L	50	5C17212	03/17/25	03/17/25	SM 2540C	
Total Suspended Solids	120	0.5	0.5	"	1	5C14092	03/14/25	03/14/25	SM 2540D	
Aggregate Organic Compounds										
Total Organic Carbon	1.6		0.70	mg/L	1	5C17149	03/17/25	03/17/25	SM 5310B	
Nutrients										
Ammonia-Nitrogen	0.02	0.008	0.01	mg/L	1	5C18193	03/18/25	03/18/25	SM4500NH3 H G	
Ortho Phosphate Phosphorus	ND		2.5	"	50	5C13068	03/14/25	03/14/25	EPA 300.0	N_RLd
Ortho Phosphate Phosphorus	ND		0.050	"	1	5C14146	03/14/25	03/14/25	SM 4500P B E	
Phosphorus, Total as P	0.05	0.02	0.05	"	"	5C18160	03/18/25	03/19/25	"	
Kjeldahl Nitrogen	ND	2.3	2.5	"	"	5C14134	03/18/25	03/18/25	EPA 351.2	N_RLm
Total Nitrogen (N)	ND	2.3	2.5	"	"	[CALC]	"	"	Calculation	

Babcock Laboratories, Inc. - Riverside

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 107B
C5C1975-06 (Liquid, Sampled: 03/13/25 10:30)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc. - Riverside										
Metals and Metalloids										
Aluminum	ND	170	500	ug/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm
Aluminum-Dissolved	ND	84	250	"	1	5C17167	03/17/25	"	"	N_RLm
Arsenic	7.1	7.1	20	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	N_RLm, J
Arsenic-Dissolved	15	8.8	25	"	1	5C14110	03/14/25	03/14/25	"	N_RLm, J
Cadmium	ND	0.99	4.0	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Cadmium-Dissolved	ND	1.2	10	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Total Chromium	ND	16	80	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Chromium-Dissolved	ND	20	100	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Copper	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Copper-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Iron	ND	260	500	"	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm
Iron-Dissolved	ND	130	250	"	1	5C17167	03/17/25	"	"	N_RLm
Mercury	ND	0.28	0.50	"	"	5C14104	03/14/25	03/18/25	SM 3112B	
Mercury-Dissolved	ND	0.28	0.50	"	"	"	"	03/18/25	"	
Manganese	ND	13	40	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	N_RLm
Manganese-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Nickel	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Nickel-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Lead	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Lead-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Selenium	130	6.7	20	"	4	5C14093	03/14/25	03/18/25	"	
Selenium-Dissolved	140	8.4	25	"	1	5C14110	03/14/25	03/14/25	"	N_TD
Zinc	ND	20	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Zinc-Dissolved	ND	25	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

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 6100 Quail Valley Court
 Riverside, CA 92507-0704
 (951) 653-3351

State Water Resources Control Board - Region 4
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DPH 107B
C5C1975-06 (Liquid, Sampled: 03/13/25 10:30)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

1,1,1-Trichloroethane	ND		50	ug/L	100	5C14107	03/14/25	03/15/25	EPA 624.1	
1,1,2,2-Tetrachloroethane	ND		50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,2-Dichloroethane	ND		50	"	"	"	"	"	"	
1,2-Dichloropropane	ND		50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		50	"	"	"	"	"	"	
2-Chloroethylvinyl Ether	ND		500	"	"	"	"	"	"	NCEVE
Acrolein	ND		1000	"	"	"	"	"	"	
Acrylonitrile	ND		1000	"	"	"	"	"	"	
Benzene	ND		50	"	"	"	"	"	"	
Bromodichloromethane	ND		50	"	"	"	"	"	"	
Bromoform	ND		100	"	"	"	"	"	"	
Bromomethane	ND		50	"	"	"	"	"	"	
Carbon Tetrachloride	ND		50	"	"	"	"	"	"	
Chlorobenzene	ND		50	"	"	"	"	"	"	
Chloroethane	ND		50	"	"	"	"	"	"	
Chloroform	ND		50	"	"	"	"	"	"	
Chloromethane	ND		50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Dibromochloromethane	ND		50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		50	"	"	"	"	"	"	
Ethylbenzene	ND		50	"	"	"	"	"	"	
Methyl tert Butyl Ether	ND		500	"	"	"	"	"	"	
Methylene Chloride	ND		300	"	"	"	"	"	"	
Tetrachloroethene	ND		50	"	"	"	"	"	"	
Toluene	ND		50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Trichloroethene	ND		50	"	"	"	"	"	"	

Babcock Laboratories, Inc. - Riverside

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320 West Fourth Street, Suite 200
Los Angeles CA, 90013

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DPH 107B
C5C1975-06 (Liquid, Sampled: 03/13/25 10:30)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

Trichlorofluoromethane	ND		500	ug/L	100	5C14107	03/14/25	03/15/25	EPA 624.1	
Vinyl Chloride	ND		50	"	"	"	"	"	"	
Xylenes (m+p)	ND		50	"	"	"	"	"	"	
Xylenes (ortho)	ND		50	"	"	"	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			99 %	80-120		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4			111 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene			108 %	80-120		"	"	"	"	
Surrogate: Toluene-d8			101 %	80-120		"	"	"	"	

Semivolatile Organic Compounds by EPA 8270C SIM

Acenaphthene	ND	0.02	0.05	ug/L	1	5C17160	03/17/25	03/18/25	EPA 8270C SIM	
Acenaphthylene	ND	0.02	0.05	"	"	"	"	"	"	
Anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)pyrene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(ghi)perylene	ND	0.01	0.05	"	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.03	0.05	"	"	"	"	"	"	
Chrysene	ND	0.02	0.05	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.01	0.05	"	"	"	"	"	"	
Fluoranthene	ND	0.02	0.05	"	"	"	"	"	"	
Fluorene	ND	0.01	0.05	"	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.03	0.05	"	"	"	"	"	"	
Naphthalene	ND	0.02	0.05	"	"	"	"	"	"	
Phenanthrene	ND	0.01	0.05	"	"	"	"	"	"	
Pyrene	ND	0.01	0.05	"	"	"	"	"	"	
Surrogate: Anthracene-d10			46 %	10-162		"	"	"	"	



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03/21/25 18:42

DPH 107B
C5C1975-06 (Liquid, Sampled: 03/13/25 10:30)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

10:2 Fluorotelomer sulfonate	ND	4.9	7.2	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
11-chloroeicosafuoro	ND	1.3	4.5	"	"	"	"	"	"	
3oxaundecane-1-sulfonic Acid										
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND	3.8	7.2	"	"	"	"	"	"	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND	3.7	7.2	"	"	"	"	"	"	
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	ND	2.1	4.5	"	"	"	"	"	"	
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ND	2.6	4.5	"	"	"	"	"	"	
4:2 Fluorotelomer Sulfonate	ND	1.8	4.5	"	"	"	"	"	"	
6:2 Fluorotelomer Sulfonate	ND	1.4	4.5	"	"	"	"	"	"	
8:2 Fluorotelomer Sulfonate	ND	1.2	4.5	"	"	"	"	"	"	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	ND	0.78	4.5	"	"	"	"	"	"	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7	4.5	"	"	"	"	"	"	
N-ethyl perfluorooctanesulfonamidoacetic										
N-Ethylperfluorooctanesulfonamide (EtFOSA)	ND	3.1	7.2	"	"	"	"	"	"	
N-Ethylperfluorooctanesulfonamido ethanol (EtFOSE)	ND	3.0	7.2	"	"	"	"	"	"	
N-methyl perfluorooctanesulfonamidoacetic										
N-Methylperfluorooctanesulfonamide (MeFOSA)	ND	4.4	7.2	"	"	"	"	"	"	
N-Methylperfluorooctanesulfonamide ethanol (MeFOSE)	ND	4.3	7.2	"	"	"	"	"	"	
Perfluorobutanesulfonic Acid (PFBS)	ND	2.2	4.5	"	"	"	"	"	"	
Perfluorobutanoic acid (PFBA)	ND	1.9	4.5	"	"	"	"	"	"	
Perfluorodecanesulfonic acid (PFDS)	ND	2.5	4.5	"	"	"	"	"	"	
Perfluorodecanoic Acid (PFDA)	4.3	1.4	4.5	"	"	"	"	"	"	J



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

DPH 107B
C5C1975-06 (Liquid, Sampled: 03/13/25 10:30)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

Perfluorododecanoic Acid (PFDoDA)	ND	1.9	4.5	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7	4.5	"	"	"	"	"	"	
Perfluoroheptanoic Acid (PFHpA)	ND	2.9	4.5	"	"	"	"	"	"	
Perfluorohexadecanoic acid (PFHxDA)	ND	1.7	4.5	"	"	"	"	"	"	NISm
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.7	4.5	"	"	"	"	"	"	
Perfluorohexanoic Acid (PFHxA)	ND	3.4	4.5	"	"	"	"	"	"	
Perfluorononanesulfonic acid (PFNS)	ND	2.6	4.5	"	"	"	"	"	"	
Perfluorononanoic Acid (PFNA)	ND	2.0	4.5	"	"	"	"	"	"	
Perfluorooctadecanoic acid (PFOcDA)	ND	3.7	4.5	"	"	"	"	"	"	NISm
Perfluorooctane Sulfonamide (PFOSA)	ND	2.8	7.2	"	"	"	"	"	"	
Perfluorooctanesulfonic Acid (PFOS)	6.7	1.4	4.5	"	"	"	"	"	"	
Perfluorooctanoic Acid (PFOA)	3.8	2.4	4.5	"	"	"	"	"	"	J
Perfluoropentanesulfonate (PFPeS)	ND	2.8	4.5	"	"	"	"	"	"	
Perfluoropentanoic acid (PFPeA)	ND	1.0	4.5	"	"	"	"	"	"	
Perfluorotetradecanoic Acid (PFTeDA)	ND	1.2	4.5	"	"	"	"	"	"	
Perfluorotridecanoic Acid (PFTTrDA)	ND	1.2	4.5	"	"	"	"	"	"	
Perfluoroundecanoic Acid (PFUnA)	ND	0.83	4.5	"	"	"	"	"	"	



State Water Resources Control Board - Region 4
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Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SMB 2-7 Beach
C5C1975-07 (Liquid, Sampled: 03/13/25 10:15)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Babcock Laboratories, Inc. - Riverside										
Cations										
Calcium	370	3.3	10	mg/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	
Total Hardness	6000		10	"	"	"	"	"	SM 2340B/EPA 200.7	
Magnesium	1200	3.3	10	"	"	"	"	"	EPA 200.7	
Magnesium-Dissolved	1200	3.3	10	"	1	5C18152	03/18/25	03/18/25	"	
Anions										
Bicarbonate	120	5.0	5.0	mg/L as CaCO3	1	5C17174	03/17/25	03/17/25	SM 2320B	
Carbonate	ND	5.0	5.0	"	"	"	"	"	"	
Hydroxide	ND	5.0	5.0	"	"	"	"	"	"	
Total Alkalinity	120	5.0	5.0	"	"	"	"	"	"	
Nitrate as N	ND	0.12	0.20	mg/L	"	5C13115	03/14/25	03/14/25	EPA 300.0	
Nitrate/Nitrite as N	0.13	0.0024	0.010	"	"	5C17192	03/17/25	03/17/25	EPA 353.2	
Sulfate	52	0.36	0.50	"	"	5C13115	03/14/25	03/14/25	EPA 300.0	
Solids										
Settleable Solids	7.1	0.1	0.1	mL/L	1.176471	5C13128	03/13/25	03/13/25	SM 2540F	
Total Dissolved Solids	33000	500	500	mg/L	50	5C17212	03/17/25	03/17/25	SM 2540C	
Total Suspended Solids	750	5	5	"	10	5C17159	03/17/25	03/17/25	SM 2540D	
Aggregate Organic Compounds										
Total Organic Carbon	2.3		0.70	mg/L	1	5C17149	03/17/25	03/17/25	SM 5310B	
Nutrients										
Ammonia-Nitrogen	0.04	0.008	0.01	mg/L	1	5C18193	03/18/25	03/18/25	SM4500NH3 H G	
Ortho Phosphate Phosphorus	ND		2.5	"	50	5C13068	03/14/25	03/14/25	EPA 300.0	N_RLd
Ortho Phosphate Phosphorus	ND		0.050	"	1	5C14146	03/14/25	03/14/25	SM 4500P B E	
Phosphorus, Total as P	0.32	0.02	0.05	"	"	5C18160	03/18/25	03/19/25	"	
Kjeldahl Nitrogen	ND	2.3	2.5	"	"	5C14134	03/18/25	03/18/25	EPA 351.2	N_RLm
Total Nitrogen (N)	ND	2.3	2.5	"	"	[CALC]	"	"	Calculation	

Babcock Laboratories, Inc. - Riverside

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State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SMB 2-7 Beach
C5C1975-07 (Liquid, Sampled: 03/13/25 10:15)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Metals and Metalloids

Aluminum	ND	170	500	ug/L	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm
Aluminum-Dissolved	ND	170	500	"	1	5C18152	03/18/25	03/18/25	"	N_RLm
Arsenic	12	7.1	20	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	N_RLm, J
Arsenic-Dissolved	15	8.8	25	"	1	5C14110	03/14/25	03/14/25	"	N_RLm, J
Cadmium	ND	0.99	4.0	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Cadmium-Dissolved	ND	1.2	10	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Total Chromium	ND	16	80	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Chromium-Dissolved	ND	20	100	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Copper	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Copper-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Iron	ND	260	500	"	10	5C14119	03/14/25	03/17/25	EPA 200.7	N_RLm
Iron-Dissolved	ND	260	500	"	1	5C18152	03/18/25	03/18/25	"	N_RLm
Mercury	1.2	0.28	0.50	"	"	5C14104	03/14/25	03/18/25	SM 3112B	
Mercury-Dissolved	ND	0.28	0.50	"	"	"	"	03/18/25	"	
Manganese	230	13	40	"	4	5C14093	03/14/25	03/18/25	EPA 200.8	
Manganese-Dissolved	37	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm, J
Nickel	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Nickel-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Lead	ND	13	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm
Lead-Dissolved	ND	17	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm
Selenium	150	6.7	20	"	4	5C14093	03/14/25	03/18/25	"	
Selenium-Dissolved	150	8.4	25	"	1	5C14110	03/14/25	03/14/25	"	
Zinc	29	20	40	"	4	5C14093	03/14/25	03/18/25	"	N_RLm, J
Zinc-Dissolved	ND	25	50	"	1	5C14110	03/14/25	03/14/25	"	N_RLm



State Water Resources Control Board - Region 4
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Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

SMB 2-7 Beach
C5C1975-07 (Liquid, Sampled: 03/13/25 10:15)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

1,1,1-Trichloroethane	ND		50	ug/L	100	5C14107	03/14/25	03/15/25	EPA 624.1	
1,1,2,2-Tetrachloroethane	ND		50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,2-Dichloroethane	ND		50	"	"	"	"	"	"	
1,2-Dichloropropane	ND		50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		50	"	"	"	"	"	"	
2-Chloroethylvinyl Ether	ND		500	"	"	"	"	"	"	NCEVE
Acrolein	ND		1000	"	"	"	"	"	"	
Acrylonitrile	ND		1000	"	"	"	"	"	"	
Benzene	ND		50	"	"	"	"	"	"	
Bromodichloromethane	ND		50	"	"	"	"	"	"	
Bromoform	ND		100	"	"	"	"	"	"	
Bromomethane	ND		50	"	"	"	"	"	"	
Carbon Tetrachloride	ND		50	"	"	"	"	"	"	
Chlorobenzene	ND		50	"	"	"	"	"	"	
Chloroethane	ND		50	"	"	"	"	"	"	
Chloroform	ND		50	"	"	"	"	"	"	
Chloromethane	ND		50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Dibromochloromethane	ND		50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		50	"	"	"	"	"	"	
Ethylbenzene	ND		50	"	"	"	"	"	"	
Methyl tert Butyl Ether	ND		500	"	"	"	"	"	"	
Methylene Chloride	ND		300	"	"	"	"	"	"	
Tetrachloroethene	ND		50	"	"	"	"	"	"	
Toluene	ND		50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		50	"	"	"	"	"	"	
Trichloroethene	ND		50	"	"	"	"	"	"	

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



State Water Resources Control Board - Region 4
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SMB 2-7 Beach
C5C1975-07 (Liquid, Sampled: 03/13/25 10:15)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

Volatile Organic Compounds by EPA 624.1

N_RLm

Trichlorofluoromethane	ND		500	ug/L	100	5C14107	03/14/25	03/15/25	EPA 624.1	
Vinyl Chloride	ND		50	"	"	"	"	"	"	
Xylenes (m+p)	ND		50	"	"	"	"	"	"	
Xylenes (ortho)	ND		50	"	"	"	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			102 %	80-120		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4			109 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene			103 %	80-120		"	"	"	"	
Surrogate: Toluene-d8			102 %	80-120		"	"	"	"	

Semivolatile Organic Compounds by EPA 8270C SIM

Acenaphthene	ND	0.02	0.05	ug/L	1	5C17160	03/17/25	03/18/25	EPA 8270C SIM	
Acenaphthylene	ND	0.02	0.05	"	"	"	"	"	"	
Anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)anthracene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(a)pyrene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.02	0.05	"	"	"	"	"	"	
Benzo(ghi)perylene	ND	0.01	0.05	"	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.03	0.05	"	"	"	"	"	"	
Chrysene	ND	0.02	0.05	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.01	0.05	"	"	"	"	"	"	
Fluoranthene	ND	0.02	0.05	"	"	"	"	"	"	
Fluorene	ND	0.01	0.05	"	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.03	0.05	"	"	"	"	"	"	
Naphthalene	ND	0.02	0.05	"	"	"	"	"	"	
Phenanthrene	ND	0.01	0.05	"	"	"	"	"	"	
Pyrene	ND	0.01	0.05	"	"	"	"	"	"	
Surrogate: Anthracene-d10			40 %	10-162		"	"	"	"	



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SMB 2-7 Beach
C5C1975-07 (Liquid, Sampled: 03/13/25 10:15)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

10:2 Fluorotelomer sulfonate	ND	4.8	7.0	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
11-chloroeicosafuoro	ND	1.2	4.4	"	"	"	"	"	"	
3oxaundecane-1-sulfonic Acid										
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND	3.7	7.0	"	"	"	"	"	"	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND	3.6	7.0	"	"	"	"	"	"	
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	ND	2.0	4.4	"	"	"	"	"	"	
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ND	2.6	4.4	"	"	"	"	"	"	
4:2 Fluorotelomer Sulfonate	ND	1.8	4.4	"	"	"	"	"	"	
6:2 Fluorotelomer Sulfonate	ND	1.3	4.4	"	"	"	"	"	"	
8:2 Fluorotelomer Sulfonate	ND	1.1	4.4	"	"	"	"	"	"	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	ND	0.76	4.4	"	"	"	"	"	"	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7	4.4	"	"	"	"	"	"	
N-ethyl perfluorooctanesulfonamidoacetic										
N-Ethylperfluorooctanesulfonamide (EtFOSA)	ND	3.0	7.0	"	"	"	"	"	"	
N-Ethylperfluorooctanesulfonamido ethanol (EtFOSE)	ND	2.9	7.0	"	"	"	"	"	"	
N-methyl perfluorooctanesulfonamidoacetic										
N-Methylperfluorooctanesulfonamide (MeFOSA)	ND	4.3	7.0	"	"	"	"	"	"	
N-Methylperfluorooctanesulfonamide ethanol (MeFOSE)	ND	4.2	7.0	"	"	"	"	"	"	
Perfluorobutanesulfonic Acid (PFBS)	ND	2.1	4.4	"	"	"	"	"	"	
Perfluorobutanoic acid (PFBA)	ND	1.8	4.4	"	"	"	"	"	"	
Perfluorodecanesulfonic acid (PFDS)	ND	2.5	4.4	"	"	"	"	"	"	
Perfluorodecanoic Acid (PFDA)	3.2	1.3	4.4	"	"	"	"	"	"	J



State Water Resources Control Board - Region 4
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SMB 2-7 Beach
C5C1975-07 (Liquid, Sampled: 03/13/25 10:15)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Babcock Laboratories, Inc. - Riverside

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant)

Perfluorododecanoic Acid (PFDoDA)	ND	1.8	4.4	ng/L	1	5C16153	03/16/25	03/18/25	ESB SOP T758	
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7	4.4	"	"	"	"	"	"	
Perfluoroheptanoic Acid (PFHpA)	ND	2.8	4.4	"	"	"	"	"	"	
Perfluorohexadecanoic acid (PFHxDA)	ND	1.7	4.4	"	"	"	"	"	"	
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.7	4.4	"	"	"	"	"	"	
Perfluorohexanoic Acid (PFHxA)	ND	3.3	4.4	"	"	"	"	"	"	
Perfluorononanesulfonic acid (PFNS)	ND	2.6	4.4	"	"	"	"	"	"	
Perfluorononanoic Acid (PFNA)	ND	1.9	4.4	"	"	"	"	"	"	
Perfluorooctadecanoic acid (PFOcDA)	ND	3.6	4.4	"	"	"	"	"	"	
Perfluorooctane Sulfonamide (PFOSA)	ND	2.7	7.0	"	"	"	"	"	"	
Perfluorooctanesulfonic Acid (PFOS)	6.8	1.3	4.4	"	"	"	"	"	"	
Perfluorooctanoic Acid (PFOA)	4.7	2.4	4.4	"	"	"	"	"	"	
Perfluoropentanesulfonate (PFPeS)	ND	2.7	4.4	"	"	"	"	"	"	
Perfluoropentanoic acid (PFPeA)	ND	0.97	4.4	"	"	"	"	"	"	
Perfluorotetradecanoic Acid (PFTeDA)	ND	1.1	4.4	"	"	"	"	"	"	
Perfluorotridecanoic Acid (PFTrDA)	ND	1.1	4.4	"	"	"	"	"	"	
Perfluoroundecanoic Acid (PFUnA)	ND	0.81	4.4	"	"	"	"	"	"	



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03/21/25 18:42

Cations - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14119, Prep Method: EPA 200.2, Analyst: ALD

Blank (5C14119-BLK1) Prepared: 03/14/25 Analyzed: 03/17/25

Calcium	ND	0.33	1.0	mg/L							
Magnesium	ND	0.33	1.0	"							

LCS (5C14119-BS1) Prepared: 03/14/25 Analyzed: 03/17/25

Calcium	17.2	0.33	1.0	mg/L	17.0		101	85-115			
Magnesium	17.3	0.33	1.0	"	17.0		102	85-115			

Duplicate (5C14119-DUP1) Source: C5C1975-02 Prepared: 03/14/25 Analyzed: 03/17/25

Total Hardness	5910		10	mg/L		5750			3	20	
Calcium	358	3.3	10	"		351			2	20	
Magnesium	1200	3.3	10	"		1170			3	20	

Matrix Spike (5C14119-MS1) Source: C5C1975-02 Prepared: 03/14/25 Analyzed: 03/17/25

Calcium	387	3.3	10	mg/L	17.0	351	212	70-130			QMint
Magnesium	1260	3.3	10	"	17.0	1170	504	70-130			QMint

Matrix Spike Dup (5C14119-MSD1) Source: C5C1975-02 Prepared: 03/14/25 Analyzed: 03/17/25

Calcium	385	3.3	10	mg/L	17.0	351	200	70-130	0.5	20	QMint
Magnesium	1250	3.3	10	"	17.0	1170	472	70-130	0.4	20	QMint

Batch 5C17167, Prep Method: 200.7/ No Digest, Analyst: ALD

Blank (5C17167-BLK4) Prepared & Analyzed: 03/17/25

Magnesium-Dissolved	ND	0.33	1.0	mg/L							
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LCS (5C17167-BS1) Prepared & Analyzed: 03/17/25

Magnesium-Dissolved	16.4	0.33	1.0	mg/L	16.4		100	85-115			
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Cations - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C17167, Prep Method: 200.7/ No Digest, Analyst: ALD

Duplicate (5C17167-DUP1)		Source: C5C1975-02			Prepared & Analyzed: 03/17/25						
Magnesium-Dissolved	5040	1.7	5.0	mg/L		1170			125	20	QRPD0
Matrix Spike (5C17167-MS1)		Source: C5C1975-02			Prepared & Analyzed: 03/17/25						
Magnesium-Dissolved	4860	1.7	5.0	mg/L	82.0	1170	NR	70-130			QMint
Matrix Spike Dup (5C17167-MSD1)		Source: C5C1975-02			Prepared & Analyzed: 03/17/25						
Magnesium-Dissolved	1220	1.7	5.0	mg/L	82.0	1170	60	70-130	120	20	QMint

Batch 5C17186, Prep Method: EPA 200.2, Analyst: MGA

Blank (5C17186-BLK1)		Prepared: 03/17/25 Analyzed: 03/18/25									
Calcium	ND	0.33	1.0	mg/L							
Magnesium	ND	0.33	1.0	"							
LCS (5C17186-BS1)		Prepared: 03/17/25 Analyzed: 03/18/25									
Calcium	16.2	0.33	1.0	mg/L	17.0		95	85-115			
Magnesium	16.3	0.33	1.0	"	17.0		96	85-115			
Duplicate (5C17186-DUP1)		Source: C5C1785-06			Prepared: 03/17/25 Analyzed: 03/18/25						
Calcium	157	0.67	2.0	mg/L		157			0.3	20	
Magnesium	89.4	0.67	2.0	"		88.7			0.8	20	
Matrix Spike (5C17186-MS1)		Source: C5C1785-06			Prepared: 03/17/25 Analyzed: 03/18/25						
Calcium	167	0.67	2.0	mg/L	17.0	157	57	70-130			QM-4X
Magnesium	103	0.67	2.0	"	17.0	88.7	83	70-130			
Matrix Spike Dup (5C17186-MSD1)		Source: C5C1785-06			Prepared: 03/17/25 Analyzed: 03/18/25						
Calcium	174	0.67	2.0	mg/L	17.0	157	100	70-130	4	20	
Magnesium	107	0.67	2.0	"	17.0	88.7	108	70-130	4	20	



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 Project Number: Wildfire Response 2025
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Cations - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C18152, Prep Method: 200.7/ No Digest, Analyst: MGA

Blank (5C18152-BLK1)					Prepared & Analyzed: 03/18/25						
Magnesium-Dissolved	ND	0.33	1.0	mg/L							
LCS (5C18152-BS1)					Prepared & Analyzed: 03/18/25						
Magnesium-Dissolved	17.1	0.33	1.0	mg/L	16.4		104	85-115			
Duplicate (5C18152-DUP1)					Source: C5C1975-03RE1 Prepared & Analyzed: 03/18/25						
Magnesium-Dissolved	1210	3.3	10	mg/L		1230			2	20	
Matrix Spike (5C18152-MS1)					Source: C5C1975-03RE1 Prepared & Analyzed: 03/18/25						
Magnesium-Dissolved	1380	3.5	10	mg/L	164	1230	88	70-130			
Matrix Spike Dup (5C18152-MSD1)					Source: C5C1975-03RE1 Prepared & Analyzed: 03/18/25						
Magnesium-Dissolved	1390	3.5	10	mg/L	164	1230	94	70-130	0.7	20	



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Anions - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C13115, Prep Method: N/A, Analyst: ANM

Blank (5C13115-BLK1)				Prepared & Analyzed: 03/14/25							
Sulfate	ND	0.36	0.50	mg/L							
Nitrate as N	ND	0.12	0.20	"							

LCS (5C13115-BS1)				Prepared & Analyzed: 03/14/25							
Sulfate	25.2	0.36	0.50	mg/L	25.0		101	90-110			
Nitrate as N	5.61	0.12	0.20	"	5.65		99	90-110			

Duplicate (5C13115-DUP1)				Source: C5C1975-04		Prepared & Analyzed: 03/14/25					
Sulfate	50.4	0.36	0.50	mg/L		50.2			0.3	25	
Nitrate as N	ND	0.12	0.20	"		ND				20	

Matrix Spike (5C13115-MS1)				Source: C5C1975-04		Prepared & Analyzed: 03/14/25					
Sulfate	76.8	0.36	0.50	mg/L	25.0	50.2	106	80-120			
Nitrate as N	5.60	0.12	0.20	"	5.65	ND	99	80-120			

Matrix Spike (5C13115-MS2)				Source: C5C1932-03		Prepared & Analyzed: 03/14/25					
Sulfate	38.3	0.36	0.50	mg/L	25.0	12.1	105	80-120			
Nitrate as N	8.31	0.12	0.20	"	5.65	2.29	106	80-120			

Matrix Spike Dup (5C13115-MSD1)				Source: C5C1975-04		Prepared & Analyzed: 03/14/25					
Sulfate	78.3	0.36	0.50	mg/L	25.0	50.2	112	80-120	2	25	
Nitrate as N	5.62	0.12	0.20	"	5.65	ND	100	80-120	0.5	25	

Batch 5C13121, Prep Method: N/A, Analyst: ANM

Blank (5C13121-BLK1)				Prepared & Analyzed: 03/14/25							
Sulfate	ND	0.36	0.50	mg/L							
Nitrate as N	ND	0.12	0.20	"							



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Anions - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C13121, Prep Method: N/A, Analyst: ANM

LCS (5C13121-BS1)					Prepared & Analyzed: 03/14/25						
Sulfate	24.6	0.36	0.50	mg/L	25.0		98	90-110			
Nitrate as N	5.46	0.12	0.20	"	5.65		97	90-110			

Duplicate (5C13121-DUP1)					Source: C5C1975-01 Prepared & Analyzed: 03/14/25						
Sulfate	269	0.36	0.50	mg/L		268			0.3	25	QOcal
Nitrate as N	2.41	0.12	0.20	"		2.43			0.6	20	

Matrix Spike (5C13121-MS1)					Source: C5C1975-01 Prepared & Analyzed: 03/14/25						
Sulfate	290	0.36	0.50	mg/L	25.0	268	89	80-120			QOcal
Nitrate as N	8.28	0.12	0.20	"	5.65	2.43	104	80-120			

Matrix Spike Dup (5C13121-MSD1)					Source: C5C1975-01 Prepared & Analyzed: 03/14/25						
Sulfate	289	0.36	0.50	mg/L	25.0	268	84	80-120	0.4	25	QOcal
Nitrate as N	8.38	0.12	0.20	"	5.65	2.43	105	80-120	1	25	

Batch 5C14122, Prep Method: N/A, Analyst: ANM

Blank (5C14122-BLK1)					Prepared & Analyzed: 03/14/25						
Sulfate	ND	0.46	0.50	mg/L							

LCS (5C14122-BS1)					Prepared & Analyzed: 03/15/25						
Sulfate	24.4	0.46	0.50	mg/L	25.0		98	90-110			

Duplicate (5C14122-DUP1)					Source: C5C1975-01RE1 Prepared & Analyzed: 03/15/25						
Sulfate	272	0.92	1.0	mg/L		270			0.5	25	

Matrix Spike (5C14122-MS1)					Source: C5C1975-01RE1 Prepared & Analyzed: 03/15/25						
Sulfate	320	0.96	1.0	mg/L	50.0	270	101	80-120			



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Anions - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14122, Prep Method: N/A, Analyst: ANM

Matrix Spike (5C14122-MS2)		Source: C5C2106-02			Prepared & Analyzed: 03/15/25						
Sulfate	35.3	0.46	0.50	mg/L	25.0	9.26	104	80-120			

Matrix Spike Dup (5C14122-MSD1)		Source: C5C1975-01RE1			Prepared & Analyzed: 03/15/25						
Sulfate	318	0.96	1.0	mg/L	50.0	270	96	80-120	0.8	25	

Batch 5C17174, Prep Method: N/A, Analyst: GMB

Blank (5C17174-BLK1)		Prepared & Analyzed: 03/17/25									
Total Alkalinity	ND	5.0	5.0	mg/L as CaCO3							
Hydroxide	ND	5.0	5.0	"							
Carbonate	ND	5.0	5.0	"							
Bicarbonate	ND	5.0	5.0	"							

LCS (5C17174-BS3)		Prepared & Analyzed: 03/17/25									
Total Alkalinity	1200	5.0	5.0	mg/L as CaCO3	1250		96	90-110			
Carbonate	1190	5.0	5.0	"	1250		96	90-110			

Duplicate (5C17174-DUP1)		Source: C5C1640-01			Prepared & Analyzed: 03/17/25						
Total Alkalinity	183	5.0	5.0	mg/L as CaCO3		186			1	25	
Hydroxide	ND	5.0	5.0	"		ND				25	
Carbonate	ND	5.0	5.0	"		ND				25	
Bicarbonate	183	5.0	5.0	"		186			1	25	

Duplicate (5C17174-DUP2)		Source: C5C1975-01			Prepared & Analyzed: 03/17/25						
Total Alkalinity	224	5.0	5.0	mg/L as CaCO3		227			1	25	
Hydroxide	ND	5.0	5.0	"		ND				25	
Carbonate	ND	5.0	5.0	"		ND				25	
Bicarbonate	224	5.0	5.0	"		227			1	25	



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Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C17174, Prep Method: N/A, Analyst: GMB

Matrix Spike (5C17174-MS1)		Source: C5C1975-01			Prepared & Analyzed: 03/17/25						
Total Alkalinity	1250	5.0	5.0	mg/L as CaCO3	1250	227	82	80-120			

Matrix Spike Dup (5C17174-MSD1)		Source: C5C1975-01			Prepared & Analyzed: 03/17/25						
Total Alkalinity	1220	5.0	5.0	mg/L as CaCO3	1250	227	79	80-120	3	25	QMS(D)

Batch 5C17192, Prep Method: N/A, Analyst: TRS

Blank (5C17192-BLK1)		Prepared & Analyzed: 03/17/25								
Nitrate/Nitrite as N	ND	0.0024	0.010	mg/L						

LCS (5C17192-BS1)		Prepared & Analyzed: 03/17/25								
Nitrate/Nitrite as N	0.502	0.0024	0.010	mg/L	0.500		100	90-110		

Duplicate (5C17192-DUP1)		Source: C5C1975-01			Prepared & Analyzed: 03/17/25						
Nitrate/Nitrite as N	2.71	0.0024	0.010	mg/L		2.66			2	20	QOcal

Matrix Spike (5C17192-MS1)		Source: C5C1975-01			Prepared & Analyzed: 03/17/25						
Nitrate/Nitrite as N	3.20	0.0024	0.010	mg/L	0.500	2.66	107	90-110			QOcal

Matrix Spike (5C17192-MS2)		Source: C5C1975-02			Prepared & Analyzed: 03/17/25						
Nitrate/Nitrite as N	0.516	0.0024	0.010	mg/L	0.500	0.0220	99	90-110			

Matrix Spike Dup (5C17192-MSD1)		Source: C5C1975-01			Prepared & Analyzed: 03/17/25						
Nitrate/Nitrite as N	3.23	0.0024	0.010	mg/L	0.500	2.66	115	90-110	1	20	QMS(D), QOcal

Batch 5C17214, Prep Method: N/A, Analyst: TRS

Blank (5C17214-BLK1)		Prepared & Analyzed: 03/17/25								
Nitrate/Nitrite as N	ND	0.0024	0.010	mg/L						



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Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C17214, Prep Method: N/A, Analyst: TRS

LCS (5C17214-BS1)					Prepared & Analyzed: 03/17/25						
Nitrate/Nitrite as N	0.500	0.0024	0.010	mg/L	0.500		100	90-110			
Duplicate (5C17214-DUP1)					Source: C5C1975-01RE1 Prepared & Analyzed: 03/17/25						
Nitrate/Nitrite as N	2.79	0.024	0.10	mg/L	2.72				3	20	
Matrix Spike (5C17214-MS1)					Source: C5C1975-01RE1 Prepared & Analyzed: 03/17/25						
Nitrate/Nitrite as N	3.23	0.024	0.10	mg/L	0.500	2.72	102	90-110			
Matrix Spike Dup (5C17214-MSD1)					Source: C5C1975-01RE1 Prepared & Analyzed: 03/17/25						
Nitrate/Nitrite as N	3.26	0.024	0.10	mg/L	0.500	2.72	109	90-110	1	20	



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Solids - Quality Control

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Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C13128, Prep Method: N/A, Analyst: CLP

Duplicate (5C13128-DUP1)		Source: C5C1975-04			Prepared & Analyzed: 03/13/25						
Settleable Solids	2.00	0.1	0.1	mL/L		2.50			22	20	QRPD0

Batch 5C14092, Prep Method: N/A, Analyst: PBS

Blank (5C14092-BLK1)		Prepared & Analyzed: 03/14/25									
Total Suspended Solids	ND	0.5	0.5	mg/L							

LCS (5C14092-BS1)		Prepared & Analyzed: 03/14/25									
Total Suspended Solids	517	5	5	mg/L	500		103	0-200			

Duplicate (5C14092-DUP1)		Source: C5C1124-03			Prepared & Analyzed: 03/14/25						
Total Suspended Solids	208	20	20	mg/L		248			18	25	

Duplicate (5C14092-DUP2)		Source: C5C1975-07			Prepared & Analyzed: 03/14/25						
Total Suspended Solids	366	5	5	mg/L		577			45	25	QFpas, QRPD0

Batch 5C14106, Prep Method: N/A, Analyst: CMR

Duplicate (5C14106-DUP1)		Source: C5C1975-06			Prepared & Analyzed: 03/14/25						
Settleable Solids	7.62	0.1	0.1	mL/L		2.89			90	20	QRPD0

Batch 5C17159, Prep Method: N/A, Analyst: VMV

Blank (5C17159-BLK1)		Prepared & Analyzed: 03/17/25									
Total Suspended Solids	ND	0.5	0.5	mg/L							



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Solids - Quality Control

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Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C17159, Prep Method: N/A, Analyst: VMV

LCS (5C17159-BS1)											Prepared & Analyzed: 03/17/25			
Total Suspended Solids	483	5	5	mg/L	500		97	0-200						
Duplicate (5C17159-DUP1)											Source: C5C1831-01		Prepared & Analyzed: 03/17/25	
Total Suspended Solids	288	10	10	mg/L		292			1	25				
Duplicate (5C17159-DUP2)											Source: C5C1975-07RE1		Prepared & Analyzed: 03/17/25	
Total Suspended Solids	857	5	5	mg/L		749			13	25				

Batch 5C17212, Prep Method: N/A, Analyst: CLP

Blank (5C17212-BLK1)											Prepared & Analyzed: 03/17/25			
Total Dissolved Solids	ND	10	10	mg/L										
LCS (5C17212-BS1)											Prepared & Analyzed: 03/17/25			
Total Dissolved Solids	745	10	10	mg/L	746		100	90-110						
Duplicate (5C17212-DUP1)											Source: C5C1775-02		Prepared & Analyzed: 03/17/25	
Total Dissolved Solids	324	10	10	mg/L		322			0.6	25				
Duplicate (5C17212-DUP2)											Source: C5C1975-07		Prepared & Analyzed: 03/17/25	
Total Dissolved Solids	32100	500	500	mg/L		32700			2	25				



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Aggregate Organic Compounds - Quality Control
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Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C17149, Prep Method: N/A, Analyst: GMB

Blank (5C17149-BLK1)					Prepared & Analyzed: 03/17/25						
Total Organic Carbon	ND		0.70	mg/L							
LCS (5C17149-BS1)					Prepared & Analyzed: 03/17/25						
Total Organic Carbon	5.03		0.70	mg/L	5.00		101	80-120			
Duplicate (5C17149-DUP1)					Source: C5C1975-01		Prepared & Analyzed: 03/17/25				
Total Organic Carbon	9.84		0.70	mg/L		10.2			3	25	
Matrix Spike (5C17149-MS1)					Source: C5C1975-01		Prepared & Analyzed: 03/17/25				
Total Organic Carbon	15.0		0.70	mg/L	5.00	10.2	96	80-120			
Matrix Spike Dup (5C17149-MSD1)					Source: C5C1975-01		Prepared & Analyzed: 03/17/25				
Total Organic Carbon	15.1		0.70	mg/L	5.00	10.2	99	80-120	0.9	25	



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Nutrients - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C13068, Prep Method: N/A, Analyst: ANM

Blank (5C13068-BLK1)					Prepared & Analyzed: 03/13/25						
Ortho Phosphate Phosphorus	ND		0.050	mg/L							
LCS (5C13068-BS1)					Prepared & Analyzed: 03/13/25						
Ortho Phosphate Phosphorus	2.72		0.050	mg/L	2.50		109	90-110			
Duplicate (5C13068-DUP1)					Source: C5C1975-04 Prepared & Analyzed: 03/13/25						
Ortho Phosphate Phosphorus	ND		2.5	mg/L		ND				25	
Matrix Spike (5C13068-MS1)					Source: C5C1975-04 Prepared & Analyzed: 03/13/25						
Ortho Phosphate Phosphorus	48.2		0.050	mg/L	50.0	ND	96	80-120			
Matrix Spike (5C13068-MS2)					Source: C5C1975-05 Prepared & Analyzed: 03/13/25						
Ortho Phosphate Phosphorus	48.6		0.050	mg/L	50.0	0.0500	97	80-120			
Matrix Spike Dup (5C13068-MSD1)					Source: C5C1975-04 Prepared & Analyzed: 03/13/25						
Ortho Phosphate Phosphorus	49.5		0.050	mg/L	50.0	ND	99	80-120	3	25	

Batch 5C14134, Prep Method: Acid Digest, Analyst: NR

Blank (5C14134-BLK1)					Prepared & Analyzed: 03/18/25						
Kjeldahl Nitrogen	ND	0.09	0.1	mg/L							
LCS (5C14134-BS1)					Prepared & Analyzed: 03/18/25						
Kjeldahl Nitrogen	0.825	0.09	0.1	mg/L	1.00		82	80-120			
Duplicate (5C14134-DUP1)					Source: C5C1975-01 Prepared & Analyzed: 03/18/25						
Kjeldahl Nitrogen	4.17	0.2	0.2	mg/L		4.45			6	25	



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Nutrients - Quality Control
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Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14134, Prep Method: Acid Digest, Analyst: NR

Matrix Spike (5C14134-MS1)		Source: C5C1975-01			Prepared & Analyzed: 03/18/25						
Kjeldahl Nitrogen	6.16	0.5	0.5	mg/L	2.50	4.45	69	42-154			

Matrix Spike Dup (5C14134-MSD1)		Source: C5C1975-01			Prepared & Analyzed: 03/18/25						
Kjeldahl Nitrogen	6.43	0.5	0.5	mg/L	2.50	4.45	79	42-154	4	25	

Batch 5C14146, Prep Method: Filter if turbid., Analyst: BXR

Blank (5C14146-BLK1)		Prepared & Analyzed: 03/14/25									
Ortho Phosphate Phosphorus	ND		0.050	mg/L							

LCS (5C14146-BS1)		Prepared & Analyzed: 03/14/25									
Ortho Phosphate Phosphorus	0.525		0.050	mg/L	0.500		105	90-110			

Duplicate (5C14146-DUP1)		Source: C5C1975-01			Prepared & Analyzed: 03/14/25						
Ortho Phosphate Phosphorus	0.168		0.050	mg/L		0.160			5	20	

Matrix Spike (5C14146-MS1)		Source: C5C1975-01			Prepared & Analyzed: 03/14/25						
Ortho Phosphate Phosphorus	0.620		0.050	mg/L	0.500	0.160	92	80-120			

Matrix Spike Dup (5C14146-MSD1)		Source: C5C1975-01			Prepared & Analyzed: 03/14/25						
Ortho Phosphate Phosphorus	0.687		0.050	mg/L	0.500	0.160	105	80-120	10	20	

Batch 5C18160, Prep Method: Total Phos - Acid Digest, Analyst: BXR

Duplicate (5C18160-DUP1)		Source: C5C1975-01			Prepared: 03/18/25 Analyzed: 03/19/25						
Phosphorus, Total as P	1.49	0.19	0.50	mg/L		1.47			1	25	



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Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C18160, Prep Method: Total Phos - Acid Digest, Analyst: BXR

Matrix Spike (5C18160-MS1)		Source: C5C1975-01			Prepared: 03/18/25 Analyzed: 03/19/25						
Phosphorus, Total as P	1.76	0.19	0.50	mg/L	0.250	1.47	115	80-120			
Matrix Spike Dup (5C18160-MSD1)		Source: C5C1975-01			Prepared: 03/18/25 Analyzed: 03/19/25						
Phosphorus, Total as P	1.74	0.19	0.50	mg/L	0.250	1.47	108	80-120	1	25	

Batch 5C18193, Prep Method: Ammonia - Gas Diffusion, Analyst: TRS

Blank (5C18193-BLK1)					Prepared & Analyzed: 03/18/25						
Ammonia-Nitrogen	ND	0.008	0.01	mg/L							
LCS (5C18193-BS1)					Prepared & Analyzed: 03/18/25						
Ammonia-Nitrogen	0.498	0.008	0.01	mg/L	0.500		100	90-110			
Duplicate (5C18193-DUP1)		Source: C5C1975-06			Prepared & Analyzed: 03/18/25						
Ammonia-Nitrogen	0.0130	0.008	0.01	mg/L		0.0150			14	20	
Matrix Spike (5C18193-MS1)		Source: C5C1975-06			Prepared & Analyzed: 03/18/25						
Ammonia-Nitrogen	0.543	0.008	0.01	mg/L	0.500	0.0150	106	80-120			
Matrix Spike Dup (5C18193-MSD1)		Source: C5C1975-06			Prepared & Analyzed: 03/18/25						
Ammonia-Nitrogen	0.554	0.008	0.01	mg/L	0.500	0.0150	108	80-120	2	20	



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Metals and Metalloids - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14093, Prep Method: EPA 200.2, Analyst: TJK

Blank (5C14093-BLK1)

Prepared: 03/14/25 Analyzed: 03/18/25

Arsenic	ND	1.8	5.0	ug/L							
Cadmium	ND	0.25	1.0	"							
Total Chromium	ND	4.0	20	"							
Copper	ND	3.3	10	"							
Lead	ND	3.3	10	"							
Manganese	ND	3.3	10	"							
Nickel	ND	3.3	10	"							
Selenium	ND	1.7	5.0	"							
Zinc	ND	5.0	10	"							

LCS (5C14093-BS1)

Prepared: 03/14/25 Analyzed: 03/18/25

Arsenic	343	1.8	5.0	ug/L	332	103	85-115				
Cadmium	337	0.25	1.0	"	332	101	85-115				
Total Chromium	342	4.0	20	"	332	103	85-115				
Copper	326	3.3	10	"	332	98	85-115				
Lead	338	3.3	10	"	332	102	85-115				
Manganese	334	3.3	10	"	332	101	85-115				
Nickel	332	3.3	10	"	332	100	85-115				
Selenium	334	1.7	5.0	"	332	100	85-115				
Zinc	315	5.0	10	"	332	95	85-115				

Duplicate (5C14093-DUP1)

Source: C5C1975-02

Prepared: 03/14/25 Analyzed: 03/18/25

Arsenic	9.39	7.1	20	ug/L	7.21			26	20	QRPDI, J	
Cadmium	ND	0.99	4.0	"	ND				20		
Total Chromium	ND	16	80	"	ND				20		
Copper	ND	13	40	"	ND				20		
Lead	ND	13	40	"	ND				20		
Manganese	ND	13	40	"	ND				20		
Nickel	ND	13	40	"	ND				20		
Selenium	127	6.7	20	"	126			0.8	20		
Zinc	ND	20	40	"	ND				20		



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Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14093, Prep Method: EPA 200.2, Analyst: TJK

Matrix Spike (5C14093-MS1) Source: C5C1975-02 Prepared: 03/14/25 Analyzed: 03/18/25

Arsenic	301	7.1	20	ug/L	332	7.21	88	70-130			
Cadmium	255	0.99	4.0	"	332	ND	77	70-130			
Total Chromium	305	16	80	"	332	ND	92	70-130			
Copper	255	13	40	"	332	ND	77	70-130			
Lead	245	13	40	"	332	ND	74	70-130			
Manganese	311	13	40	"	332	ND	94	70-130			
Nickel	263	13	40	"	332	ND	79	70-130			
Selenium	399	6.7	20	"	332	126	82	70-130			
Zinc	244	20	40	"	332	ND	73	70-130			

Matrix Spike Dup (5C14093-MSD1) Source: C5C1975-02 Prepared: 03/14/25 Analyzed: 03/18/25

Arsenic	318	7.1	20	ug/L	332	7.21	94	70-130	5	20	
Cadmium	268	0.99	4.0	"	332	ND	81	70-130	5	20	
Total Chromium	323	16	80	"	332	ND	97	70-130	6	20	
Copper	265	13	40	"	332	ND	80	70-130	4	20	
Lead	246	13	40	"	332	ND	74	70-130	0.4	20	
Manganese	321	13	40	"	332	ND	97	70-130	3	20	
Nickel	283	13	40	"	332	ND	85	70-130	7	20	
Selenium	405	6.7	20	"	332	126	84	70-130	2	20	
Zinc	251	20	40	"	332	ND	75	70-130	3	20	

Batch 5C14104, Prep Method: EPA 7470A/SM 3112B, Analyst: JTR

Blank (5C14104-BLK1) Prepared: 03/14/25 Analyzed: 03/18/25

Mercury-Dissolved	ND	0.11	0.20	ug/L							
Mercury	ND	0.11	0.20	"							



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Metals and Metalloids - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14104, Prep Method: EPA 7470A/SM 3112B, Analyst: JTR

LCS (5C14104-BS1)											
						Prepared: 03/14/25 Analyzed: 03/18/25					
Mercury-Dissolved	3.84	0.11	0.20	ug/L	4.00		96	85-115			
Mercury	3.84	0.11	0.20	"	4.00		96	85-115			
Duplicate (5C14104-DUP1)											
						Source: C5C1975-02 Prepared: 03/14/25 Analyzed: 03/18/25					
Mercury-Dissolved	ND	0.28	0.50	ug/L		ND				20	
Mercury	ND	0.28	0.50	"		ND				20	
Matrix Spike (5C14104-MS1)											
						Source: C5C1975-02 Prepared: 03/14/25 Analyzed: 03/18/25					
Mercury-Dissolved	10.4	0.28	0.50	ug/L	10.0	ND	104	70-130			
Mercury	10.4	0.28	0.50	"	10.0	ND	104	70-130			
Matrix Spike Dup (5C14104-MSD1)											
						Source: C5C1975-02 Prepared: 03/14/25 Analyzed: 03/18/25					
Mercury-Dissolved	10.7	0.28	0.50	ug/L	10.0	ND	107	70-130	3	20	
Mercury	10.7	0.28	0.50	"	10.0	ND	107	70-130	3	20	

Batch 5C14110, Prep Method: N/A, Analyst: TJK

Blank (5C14110-BLK1)											
						Prepared & Analyzed: 03/14/25					
Selenium-Dissolved	ND	1.7	5.0	ug/L							
Manganese-Dissolved	ND	3.3	10	"							
Chromium-Dissolved	ND	4.0	20	"							
Arsenic-Dissolved	ND	1.8	5.0	"							
Lead-Dissolved	ND	3.3	10	"							
Copper-Dissolved	ND	3.3	10	"							
Cadmium-Dissolved	ND	0.25	2.0	"							
Zinc-Dissolved	ND	5.0	10	"							
Nickel-Dissolved	ND	3.3	10	"							



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Metals and Metalloids - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14110, Prep Method: N/A, Analyst: TJK

LCS (5C14110-BS1)

Prepared & Analyzed: 03/14/25

Lead-Dissolved	50.4	3.3	10	ug/L	50.0		101	85-115			
Zinc-Dissolved	50.7	5.0	10	"	50.0		101	85-115			
Nickel-Dissolved	51.1	3.3	10	"	50.0		102	85-115			
Selenium-Dissolved	49.3	1.7	5.0	"	50.0		99	85-115			
Copper-Dissolved	49.7	3.3	10	"	50.0		99	85-115			
Cadmium-Dissolved	50.9	0.25	2.0	"	50.0		102	85-115			
Arsenic-Dissolved	50.3	1.8	5.0	"	50.0		101	85-115			
Chromium-Dissolved	51.0	4.0	20	"	50.0		102	85-115			
Manganese-Dissolved	49.6	3.3	10	"	50.0		99	85-115			

Matrix Spike (5C14110-MS1)

Source: C5C1975-01

Prepared & Analyzed: 03/14/25

Arsenic-Dissolved	226	8.8	25	ug/L	250	ND	91	70-130			
Zinc-Dissolved	214	25	50	"	250	ND	85	70-130			
Lead-Dissolved	243	17	50	"	250	ND	97	70-130			
Nickel-Dissolved	235	17	50	"	250	ND	94	70-130			
Cadmium-Dissolved	236	1.2	10	"	250	ND	94	70-130			
Copper-Dissolved	240	17	50	"	250	ND	96	70-130			
Chromium-Dissolved	245	20	100	"	250	ND	98	70-130			
Manganese-Dissolved	430	17	50	"	250	195	94	70-130			
Selenium-Dissolved	214	8.4	25	"	250	ND	86	70-130			

Matrix Spike Dup (5C14110-MSD1)

Source: C5C1975-01

Prepared & Analyzed: 03/14/25

Chromium-Dissolved	262	20	100	ug/L	250	ND	105	70-130	7	20	
Zinc-Dissolved	229	25	50	"	250	ND	92	70-130	7	20	
Nickel-Dissolved	254	17	50	"	250	ND	101	70-130	8	20	
Lead-Dissolved	244	17	50	"	250	ND	98	70-130	0.8	20	
Selenium-Dissolved	223	8.4	25	"	250	ND	89	70-130	4	20	
Arsenic-Dissolved	252	8.8	25	"	250	ND	101	70-130	11	20	
Cadmium-Dissolved	231	1.2	10	"	250	ND	92	70-130	2	20	
Manganese-Dissolved	453	17	50	"	250	195	103	70-130	5	20	
Copper-Dissolved	252	17	50	"	250	ND	101	70-130	5	20	



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Metals and Metalloids - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14119, Prep Method: EPA 200.2, Analyst: ALD

Blank (5C14119-BLK1)

Prepared: 03/14/25 Analyzed: 03/17/25

Aluminum	ND	17	50	ug/L							
Iron	ND	26	50	"							

LCS (5C14119-BS1)

Prepared: 03/14/25 Analyzed: 03/17/25

Aluminum	1220	17	50	ug/L	1170		105	85-115			
Iron	1190	26	50	"	1170		102	85-115			

Duplicate (5C14119-DUP1)

Source: C5C1975-02

Prepared: 03/14/25 Analyzed: 03/17/25

Aluminum	283	170	500	ug/L		ND				20	J
Iron	280	260	500	"		ND				20	J

Matrix Spike (5C14119-MS1)

Source: C5C1975-02

Prepared: 03/14/25 Analyzed: 03/17/25

Aluminum	1470	170	500	ug/L	1170	ND	126	70-130			
Iron	1550	260	500	"	1170	ND	133	70-130			QMint

Matrix Spike Dup (5C14119-MSD1)

Source: C5C1975-02

Prepared: 03/14/25 Analyzed: 03/17/25

Aluminum	1460	170	500	ug/L	1170	ND	125	70-130	0.7	20	
Iron	1560	260	500	"	1170	ND	134	70-130	0.8	20	QMint

Batch 5C17158, Prep Method: EPA 200.2, Analyst: TJK

Blank (5C17158-BLK1)

Prepared: 03/17/25 Analyzed: 03/18/25

Arsenic	ND	1.8	5.0	ug/L							
Cadmium	ND	0.25	1.0	"							
Total Chromium	ND	4.0	20	"							
Copper	ND	3.3	10	"							
Lead	ND	3.3	10	"							
Manganese	ND	3.3	10	"							
Nickel	ND	3.3	10	"							
Selenium	ND	1.7	5.0	"							
Zinc	ND	5.0	10	"							



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Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C17158, Prep Method: EPA 200.2, Analyst: TJK

LCS (5C17158-BS1)

Prepared: 03/17/25 Analyzed: 03/18/25

Arsenic	329	1.8	5.0	ug/L	332		99	85-115			
Cadmium	322	0.25	1.0	"	332		97	85-115			
Total Chromium	317	4.0	20	"	332		95	85-115			
Copper	311	3.3	10	"	332		93	85-115			
Lead	311	3.3	10	"	332		94	85-115			
Manganese	319	3.3	10	"	332		96	85-115			
Nickel	307	3.3	10	"	332		92	85-115			
Selenium	317	1.7	5.0	"	332		95	85-115			
Zinc	316	5.0	10	"	332		95	85-115			

Duplicate (5C17158-DUP1)

Source: C5C1785-06

Prepared: 03/17/25 Analyzed: 03/18/25

Arsenic	5.03	3.5	10	ug/L		6.43			25	20	QRPDI, J
Cadmium	ND	0.49	2.0	"		ND				20	
Total Chromium	ND	8.1	40	"		ND				20	
Copper	ND	6.7	20	"		ND				20	
Lead	ND	6.7	20	"		ND				20	
Manganese	141	6.7	20	"		161			13	20	
Nickel	ND	6.7	20	"		ND				20	
Selenium	ND	3.3	10	"		ND				20	
Zinc	16.4	9.9	20	"		29.1			56	20	QRPDI, J

Matrix Spike (5C17158-MS1)

Source: C5C1785-06

Prepared: 03/17/25 Analyzed: 03/18/25

Arsenic	340	3.5	10	ug/L	332	6.43	100	70-130			
Cadmium	312	0.49	2.0	"	332	ND	94	70-130			
Total Chromium	326	8.1	40	"	332	ND	98	70-130			
Copper	306	6.7	20	"	332	ND	92	70-130			
Lead	309	6.7	20	"	332	ND	93	70-130			
Manganese	464	6.7	20	"	332	161	91	70-130			
Nickel	317	6.7	20	"	332	ND	95	70-130			
Selenium	322	3.3	10	"	332	ND	97	70-130			
Zinc	313	9.9	20	"	332	29.1	85	70-130			



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Metals and Metalloids - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C17158, Prep Method: EPA 200.2, Analyst: TJK

Matrix Spike Dup (5C17158-MSD1)		Source: C5C1785-06			Prepared: 03/17/25		Analyzed: 03/18/25				
Arsenic	338	3.5	10	ug/L	332	6.43	100	70-130	0.8	20	
Cadmium	320	0.49	2.0	"	332	ND	96	70-130	2	20	
Total Chromium	330	8.1	40	"	332	ND	99	70-130	1	20	
Copper	310	6.7	20	"	332	ND	93	70-130	2	20	
Lead	312	6.7	20	"	332	ND	94	70-130	1	20	
Manganese	465	6.7	20	"	332	161	91	70-130	0.1	20	
Nickel	316	6.7	20	"	332	ND	95	70-130	0.2	20	
Selenium	322	3.3	10	"	332	ND	97	70-130	0.03	20	
Zinc	315	9.9	20	"	332	29.1	86	70-130	0.5	20	

Batch 5C17167, Prep Method: 200.7/ No Digest, Analyst: ALD

Blank (5C17167-BLK4)					Prepared & Analyzed: 03/17/25						
Aluminum-Dissolved	21.9	17	50	ug/L							J
Iron-Dissolved	ND	26	50	"							
LCS (5C17167-BS1)					Prepared & Analyzed: 03/17/25						
Iron-Dissolved	1610	26	50	ug/L	1600		101	85-115			
Aluminum-Dissolved	404	17	50	"	400		101	85-115			
Duplicate (5C17167-DUP1)		Source: C5C1975-02			Prepared & Analyzed: 03/17/25						
Iron-Dissolved	ND	130	250	ug/L		ND				20	
Aluminum-Dissolved	ND	84	250	"		ND				20	
Matrix Spike (5C17167-MS1)		Source: C5C1975-02			Prepared & Analyzed: 03/17/25						
Iron-Dissolved	6820	130	250	ug/L	8000	ND	85	70-130			
Aluminum-Dissolved	1330	84	250	"	2000	ND	67	70-130			QMint



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Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C17167, Prep Method: 200.7/ No Digest, Analyst: ALD

Matrix Spike Dup (5C17167-MSD1)		Source: C5C1975-02			Prepared & Analyzed: 03/17/25						
Iron-Dissolved	7930	130	250	ug/L	8000	ND	99	70-130	15	20	
Aluminum-Dissolved	1750	84	250	"	2000	ND	88	70-130	27	20	QMint

Batch 5C17186, Prep Method: EPA 200.2, Analyst: MGA

Blank (5C17186-BLK1)		Prepared: 03/17/25 Analyzed: 03/18/25									
Aluminum	ND	17	50	ug/L							
Iron	ND	26	50	"							

LCS (5C17186-BS1)		Prepared: 03/17/25 Analyzed: 03/18/25									
Aluminum	1140	17	50	ug/L	1170		98	85-115			
Iron	1130	26	50	"	1170		97	85-115			

Duplicate (5C17186-DUP1)		Source: C5C1785-06			Prepared: 03/17/25 Analyzed: 03/18/25						
Aluminum	39.8	33	100	ug/L		43.9			10	20	J
Iron	374	52	100	"		376			0.4	20	

Matrix Spike (5C17186-MS1)		Source: C5C1785-06			Prepared: 03/17/25 Analyzed: 03/18/25						
Aluminum	1260	33	100	ug/L	1170	43.9	104	70-130			
Iron	1480	52	100	"	1170	376	94	70-130			

Matrix Spike Dup (5C17186-MSD1)		Source: C5C1785-06			Prepared: 03/17/25 Analyzed: 03/18/25						
Aluminum	1310	33	100	ug/L	1170	43.9	109	70-130	4	20	
Iron	1540	52	100	"	1170	376	100	70-130	4	20	

Batch 5C18152, Prep Method: 200.7/ No Digest, Analyst: MGA

Blank (5C18152-BLK1)		Prepared & Analyzed: 03/18/25									
Aluminum-Dissolved	ND	17	50	ug/L							
Iron-Dissolved	ND	26	50	"							



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Metals and Metalloids - Quality Control
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Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C18152, Prep Method: 200.7/ No Digest, Analyst: MGA

LCS (5C18152-BS1)					Prepared & Analyzed: 03/18/25						
Aluminum-Dissolved	375	17	50	ug/L	400		94	85-115			
Iron-Dissolved	1680	26	50	"	1600		105	85-115			
Duplicate (5C18152-DUP1)					Source: C5C1975-03RE1 Prepared & Analyzed: 03/18/25						
Iron-Dissolved	ND	260	500	ug/L		ND				20	
Aluminum-Dissolved	ND	170	500	"		ND				20	
Matrix Spike (5C18152-MS1)					Source: C5C1975-03RE1 Prepared & Analyzed: 03/18/25						
Iron-Dissolved	16300	270	520	ug/L	16000	ND	102	70-130			
Aluminum-Dissolved	3700	170	520	"	4000	ND	93	70-130			
Matrix Spike Dup (5C18152-MSD1)					Source: C5C1975-03RE1 Prepared & Analyzed: 03/18/25						
Iron-Dissolved	16200	270	520	ug/L	16000	ND	101	70-130	0.7	20	
Aluminum-Dissolved	3630	170	520	"	4000	ND	91	70-130	2	20	



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Volatile Organic Compounds by EPA 624.1 - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14107, Prep Method: Purge and Trap, Analyst: jes

Blank (5C14107-BLK1)

Prepared & Analyzed: 03/14/25

1,1,1-Trichloroethane	ND		0.50	ug/L							
1,1,2,2-Tetrachloroethane	ND		0.50	"							
1,1,2-Trichloroethane	ND		0.50	"							
1,1-Dichloroethane	ND		0.50	"							
1,1-Dichloroethene	ND		0.50	"							
1,2-Dichlorobenzene	ND		0.50	"							
1,2-Dichloroethane	ND		0.50	"							
1,2-Dichloropropane	ND		0.50	"							
1,3-Dichlorobenzene	ND		0.50	"							
1,4-Dichlorobenzene	ND		0.50	"							
2-Chloroethylvinyl Ether	ND		5.0	"							QCEVE
Acrolein	ND		10	"							
Acrylonitrile	ND		10	"							
Benzene	ND		0.50	"							
Bromodichloromethane	ND		0.50	"							
Bromoform	ND		1.0	"							
Bromomethane	ND		0.50	"							
Carbon Tetrachloride	ND		0.50	"							
Chlorobenzene	ND		0.50	"							
Chloroethane	ND		0.50	"							
Chloroform	ND		0.50	"							
Chloromethane	ND		0.50	"							
cis-1,3-Dichloropropene	ND		0.50	"							
Dibromochloromethane	ND		0.50	"							
Dichlorodifluoromethane	ND		0.50	"							
Ethylbenzene	ND		0.50	"							
Methyl tert Butyl Ether	ND		5.0	"							
Methylene Chloride	ND		3.0	"							
Tetrachloroethene	ND		0.50	"							
Toluene	ND		0.50	"							
trans-1,2-Dichloroethene	ND		0.50	"							
trans-1,3-Dichloropropene	ND		0.50	"							
Trichloroethene	ND		0.50	"							
Trichlorofluoromethane	ND		5.0	"							
Vinyl Chloride	ND		0.50	"							
Xylenes (m+p)	ND		0.50	"							
Xylenes (ortho)	ND		0.50	"							

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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Volatile Organic Compounds by EPA 624.1 - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14107, Prep Method: Purge and Trap, Analyst: jes

Blank (5C14107-BLK1)

Prepared & Analyzed: 03/14/25

Surrogate: 1,2-Dichloroethane-d4	11			ug/L	10.0		109	80-120			
Surrogate: 4-Bromofluorobenzene	10			"	10.0		102	80-120			
Surrogate: Toluene-d8	10			"	10.0		101	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	10			"	10.0		102	80-120			

Blank (5C14107-BLK2)

Prepared & Analyzed: 03/14/25

1,1,1-Trichloroethane	ND		0.50	ug/L							
1,1,2,2-Tetrachloroethane	ND		0.50	"							
1,1,2-Trichloroethane	ND		0.50	"							
1,1-Dichloroethane	ND		0.50	"							
1,1-Dichloroethene	ND		0.50	"							
1,2-Dichlorobenzene	ND		0.50	"							
1,2-Dichloroethane	ND		0.50	"							
1,2-Dichloropropane	ND		0.50	"							
1,3-Dichlorobenzene	ND		0.50	"							
1,4-Dichlorobenzene	ND		0.50	"							
2-Chloroethylvinyl Ether	ND		5.0	"							
Acrolein	ND		10	"							
Acrylonitrile	ND		10	"							
Benzene	ND		0.50	"							
Bromodichloromethane	ND		0.50	"							
Bromoform	ND		1.0	"							
Bromomethane	ND		0.50	"							
Carbon Tetrachloride	ND		0.50	"							
Chlorobenzene	ND		0.50	"							
Chloroethane	ND		0.50	"							
Chloroform	ND		0.50	"							
Chloromethane	ND		0.50	"							
cis-1,3-Dichloropropene	ND		0.50	"							
Dibromochloromethane	ND		0.50	"							
Dichlorodifluoromethane	ND		0.50	"							
Ethylbenzene	ND		0.50	"							
Methyl tert Butyl Ether	ND		5.0	"							
Methylene Chloride	ND		3.0	"							
Tetrachloroethene	ND		0.50	"							
Toluene	ND		0.50	"							
trans-1,2-Dichloroethene	ND		0.50	"							
trans-1,3-Dichloropropene	ND		0.50	"							

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State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

Volatile Organic Compounds by EPA 624.1 - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14107, Prep Method: Purge and Trap, Analyst: jes

Blank (5C14107-BLK2)

Prepared & Analyzed: 03/14/25

Trichloroethene	ND		0.50	"							
Trichlorofluoromethane	ND		5.0	"							
Vinyl Chloride	ND		0.50	"							
Xylenes (m+p)	ND		0.50	"							
Xylenes (ortho)	ND		0.50	"							
Surrogate: 1,2-Dichloroethane-d4	11			"	10.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	10			"	10.0		104	80-120			
Surrogate: Toluene-d8	10			"	10.0		101	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	9.8			"	10.0		98	80-120			

LCS (5C14107-BS1)

Prepared & Analyzed: 03/14/25

1,1-Dichloroethane	24.6		0.50	ug/L	25.0		98	70-130			
1,1-Dichloroethene	28.6		0.50	"	25.0		114	50-150			
1,4-Dichlorobenzene	24.5		0.50	"	25.0		98	65-135			
Benzene	24.4		0.50	"	25.0		98	65-135			
Bromodichloromethane	24.7		0.50	"	25.0		99	65-135			
Bromoform	26.2		1.0	"	25.0		105	70-130			
Chloroform	25.1		0.50	"	25.0		101	70-135			
Dibromochloromethane	24.8		0.50	"	25.0		99	70-135			
Ethylbenzene	24.9		0.50	"	25.0		99	60-140			
Methyl tert Butyl Ether	28.4		5.0	"	25.0		114	70-130			
Tetrachloroethene	23.7		0.50	"	25.0		95	70-130			
Toluene	24.8		0.50	"	25.0		99	70-130			
Trichloroethene	23.2		0.50	"	25.0		93	65-135			
Vinyl Chloride	22.2		0.50	"	25.0		89	5-195			
Xylenes (m+p)	46.7		0.50	"	50.0		93	70-130			
Xylenes (ortho)	24.3		0.50	"	25.0		97	70-130			
Surrogate: 1,2-Dichloroethane-d4	11			"	10.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	10			"	10.0		102	80-120			
Surrogate: Toluene-d8	9.9			"	10.0		99	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	10			"	10.0		100	80-120			



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State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

Volatile Organic Compounds by EPA 624.1 - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14107, Prep Method: Purge and Trap, Analyst: jes

LCS Dup (5C14107-BSD1)				Prepared & Analyzed: 03/14/25							
1,1-Dichloroethane	25.0	0.50	ug/L	25.0	100	70-130	1	40			
1,1-Dichloroethene	28.6	0.50	"	25.0	114	50-150	0.2	32			
1,4-Dichlorobenzene	24.8	0.50	"	25.0	99	65-135	1	57			
Benzene	24.5	0.50	"	25.0	98	65-135	0.6	61			
Bromodichloromethane	26.0	0.50	"	25.0	104	65-135	5	56			
Bromoform	27.7	1.0	"	25.0	111	70-130	6	42			
Chloroform	24.8	0.50	"	25.0	99	70-135	2	54			
Dibromochloromethane	25.8	0.50	"	25.0	103	70-135	4	50			
Ethylbenzene	25.2	0.50	"	25.0	101	60-140	1	63			
Methyl tert Butyl Ether	29.8	5.0	"	25.0	119	70-130	5	20			
Tetrachloroethene	24.2	0.50	"	25.0	97	70-130	2	39			
Toluene	25.4	0.50	"	25.0	102	70-130	2	41			
Trichloroethene	24.5	0.50	"	25.0	98	65-135	6	48			
Vinyl Chloride	23.8	0.50	"	25.0	95	5-195	7	66			
Xylenes (m+p)	47.0	0.50	"	50.0	94	70-130	0.6	20			
Xylenes (ortho)	24.3	0.50	"	25.0	97	70-130	0.2	20			
Surrogate: 1,2-Dichloroethane-d4	11		"	10.0	105	80-120					
Surrogate: 4-Bromofluorobenzene	10		"	10.0	104	80-120					
Surrogate: Toluene-d8	10		"	10.0	100	80-120					
Surrogate: 1,2-Dichlorobenzene-d4	9.8		"	10.0	98	80-120					

Matrix Spike (5C14107-MS1)				Source: C5C1894-01		Prepared & Analyzed: 03/14/25					
1,1-Dichloroethane	253	5.0	ug/L	250	ND	101	59-155				
1,1-Dichloroethene	306	5.0	"	250	ND	122	5-234				
1,4-Dichlorobenzene	248	5.0	"	250	ND	99	18-190				
Benzene	250	5.0	"	250	ND	100	37-151				
Bromodichloromethane	253	5.0	"	250	ND	101	35-155				
Bromoform	261	10	"	250	ND	104	45-169				
Chloroform	246	5.0	"	250	ND	98	51-138				
Dibromochloromethane	252	5.0	"	250	ND	101	53-149				
Ethylbenzene	259	5.0	"	250	ND	104	37-162				
Methyl tert Butyl Ether	270	50	"	250	ND	108	70-139				
Tetrachloroethene	260	5.0	"	250	ND	104	64-148				
Toluene	260	5.0	"	250	ND	104	47-150				
Trichloroethene	251	5.0	"	250	ND	100	70-157				
Vinyl Chloride	263	5.0	"	250	ND	105	5-251				
Xylenes (m+p)	485	5.0	"	500	ND	97	70-130				
Xylenes (ortho)	249	5.0	"	250	ND	100	70-130				

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State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

Volatile Organic Compounds by EPA 624.1 - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C14107, Prep Method: Purge and Trap, Analyst: jes

Matrix Spike (5C14107-MS1)		Source: C5C1894-01		Prepared & Analyzed: 03/14/25							
Surrogate: 1,2-Dichloroethane-d4	10			"	10.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	10			"	10.0		101	80-120			
Surrogate: Toluene-d8	9.9			"	10.0		99	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	10			"	10.0		100	80-120			

Matrix Spike Dup (5C14107-MSD1)		Source: C5C1894-01		Prepared & Analyzed: 03/14/25							
1,1-Dichloroethane	269		5.0	ug/L	250	ND	108	59-155	6	40	
1,1-Dichloroethene	324		5.0	"	250	ND	130	5-234	6	32	
1,4-Dichlorobenzene	278		5.0	"	250	ND	111	18-190	11	57	
Benzene	262		5.0	"	250	ND	105	37-151	5	61	
Bromodichloromethane	272		5.0	"	250	ND	109	35-155	7	56	
Bromoform	289		10	"	250	ND	115	45-169	10	42	
Chloroform	263		5.0	"	250	ND	105	51-138	7	54	
Dibromochloromethane	263		5.0	"	250	ND	105	53-149	4	50	
Ethylbenzene	273		5.0	"	250	ND	109	37-162	5	63	
Methyl tert Butyl Ether	295		50	"	250	ND	118	70-139	9	40	
Tetrachloroethene	277		5.0	"	250	ND	111	64-148	6	39	
Toluene	276		5.0	"	250	ND	110	47-150	6	41	
Trichloroethene	271		5.0	"	250	ND	109	70-157	8	48	
Vinyl Chloride	282		5.0	"	250	ND	113	5-251	7	66	
Xylenes (m+p)	513		5.0	"	500	ND	103	70-130	5	40	
Xylenes (ortho)	263		5.0	"	250	ND	105	70-130	5	40	
Surrogate: 1,2-Dichloroethane-d4	10			"	10.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	11			"	10.0		106	80-120			
Surrogate: Toluene-d8	10			"	10.0		100	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	10			"	10.0		101	80-120			



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State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
 Project Number: Wildfire Response 2025
 Project Manager: John Salguero

Reported:
 03/21/25 18:42

Semivolatile Organic Compounds by EPA 8270C SIM - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C17160, Prep Method: EPA 3510C, Analyst: AZP

Blank (5C17160-BLK1)

Prepared: 03/17/25 Analyzed: 03/18/25

Benzo(a)anthracene	ND	0.02	0.05	ug/L							
Benzo(b)fluoranthene	ND	0.02	0.05	"							
Acenaphthene	ND	0.02	0.05	"							
Acenaphthylene	ND	0.02	0.05	"							
Anthracene	ND	0.02	0.05	"							
Benzo(a)pyrene	ND	0.02	0.05	"							
Benzo(ghi)perylene	ND	0.01	0.05	"							
Benzo(k)fluoranthene	ND	0.03	0.05	"							
Chrysene	ND	0.02	0.05	"							
Dibenzo(a,h)anthracene	ND	0.01	0.05	"							
Fluoranthene	ND	0.02	0.05	"							
Fluorene	ND	0.01	0.05	"							
Indeno(1,2,3-cd)pyrene	ND	0.03	0.05	"							
Naphthalene	ND	0.02	0.05	"							
Phenanthrene	ND	0.01	0.05	"							
Pyrene	ND	0.01	0.05	"							

Surrogate: Anthracene-d10 0.081 " 0.100 81 10-162

LCS (5C17160-BS1)

Prepared: 03/17/25 Analyzed: 03/18/25

Q_nes

Benzo(a)anthracene	0.481	0.02	0.05	ug/L	0.500		96	28-124			
Benzo(b)fluoranthene	0.455	0.02	0.05	"	0.500		91	21-133			
Acenaphthene	0.335	0.02	0.05	"	0.500		67	31-104			
Acenaphthylene	0.356	0.02	0.05	"	0.500		71	29-109			
Anthracene	0.371	0.02	0.05	"	0.500		74	24-117			
Benzo(a)pyrene	0.464	0.02	0.05	"	0.500		93	16-129			
Benzo(ghi)perylene	0.438	0.01	0.05	"	0.500		88	15-136			
Benzo(k)fluoranthene	0.446	0.03	0.05	"	0.500		89	18-139			
Chrysene	0.430	0.02	0.05	"	0.500		86	30-114			
Dibenzo(a,h)anthracene	0.450	0.01	0.05	"	0.500		90	13-143			
Fluoranthene	0.419	0.02	0.05	"	0.500		84	25-121			
Fluorene	0.370	0.01	0.05	"	0.500		74	28-111			
Indeno(1,2,3-cd)pyrene	0.481	0.03	0.05	"	0.500		96	10-141			
Naphthalene	0.271	0.02	0.05	"	0.500		54	29-100			
Phenanthrene	0.374	0.01	0.05	"	0.500		75	30-111			
Pyrene	0.413	0.01	0.05	"	0.500		83	37-120			

Surrogate: Anthracene-d10 0.079 " 0.100 79 10-162

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State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
 Project Number: Wildfire Response 2025
 Project Manager: John Salguero

Reported:
 03/21/25 18:42

Semivolatile Organic Compounds by EPA 8270C SIM - Quality Control
Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C17160, Prep Method: EPA 3510C, Analyst: AZP

LCS Dup (5C17160-BSD1)	Prepared: 03/17/25 Analyzed: 03/18/25										Q_nes
Benzo(a)anthracene	0.509	0.02	0.05	ug/L	0.500		102	28-124	6	40	
Benzo(b)fluoranthene	0.478	0.02	0.05	"	0.500		96	21-133	5	40	
Acenaphthene	0.348	0.02	0.05	"	0.500		70	31-104	4	40	
Acenaphthylene	0.378	0.02	0.05	"	0.500		76	29-109	6	40	
Anthracene	0.400	0.02	0.05	"	0.500		80	24-117	7	40	
Benzo(a)pyrene	0.484	0.02	0.05	"	0.500		97	16-129	4	40	
Benzo(ghi)perylene	0.444	0.01	0.05	"	0.500		89	15-136	1	40	
Benzo(k)fluoranthene	0.454	0.03	0.05	"	0.500		91	18-139	2	40	
Chrysene	0.448	0.02	0.05	"	0.500		90	30-114	4	40	
Dibenzo(a,h)anthracene	0.457	0.01	0.05	"	0.500		91	13-143	2	40	
Fluoranthene	0.447	0.02	0.05	"	0.500		89	25-121	7	40	
Fluorene	0.391	0.01	0.05	"	0.500		78	28-111	5	40	
Indeno(1,2,3-cd)pyrene	0.487	0.03	0.05	"	0.500		97	10-141	1	40	
Naphthalene	0.293	0.02	0.05	"	0.500		59	29-100	8	40	
Phenanthrene	0.403	0.01	0.05	"	0.500		81	30-111	7	40	
Pyrene	0.437	0.01	0.05	"	0.500		87	37-120	6	40	
<i>Surrogate: Anthracene-d10</i>	<i>0.084</i>			<i>"</i>	<i>0.100</i>		<i>84</i>	<i>10-162</i>			



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03/21/25 18:42

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant) - Quality Control

Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C16153, Prep Method: SPE, Analyst: MOF

Blank (5C16153-BLK1)

Prepared: 03/16/25 Analyzed: 03/18/25

Perfluorobutanoic acid (PFBA)	ND	2.1	5.0	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.1	5.0	"							
Perfluorohexanoic Acid (PFHxA)	ND	3.8	5.0	"							
Perfluoroheptanoic Acid (PFHpA)	ND	3.2	5.0	"							
Perfluorooctanoic Acid (PFOA)	ND	2.7	5.0	"							
Perfluorononanoic Acid (PFNA)	ND	2.2	5.0	"							
Perfluorodecanoic Acid (PFDA)	ND	1.5	5.0	"							
Perfluoroundecanoic Acid (PFUnA)	ND	0.92	5.0	"							QIS
Perfluorododecanoic Acid (PFDoDA)	ND	2.1	5.0	"							QIS
Perfluorotridecanoic Acid (PFTrDA)	ND	1.3	5.0	"							QIS
Perfluorotetradecanoic Acid (PFTeDA)	ND	1.3	5.0	"							QIS
Perfluorohexadecanoic acid (PFHxDA)	ND	1.9	5.0	"							QIS
Perfluorooctadecanoic acid (PFODa)	ND	4.1	5.0	"							QIS
Perfluorobutanesulfonic Acid (PFBS)	ND	2.4	5.0	"							
Perfluoropentanesulfonate (PFPeS)	ND	3.1	5.0	"							
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.9	5.0	"							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	5.0	"							
Perfluorooctanesulfonic Acid (PFOS)	ND	1.5	5.0	"							
Perfluorononanesulfonic acid (PFNS)	ND	2.9	5.0	"							
Perfluorodecanesulfonic acid (PFDS)	ND	2.8	5.0	"							
4:2 Fluorotelomer Sulfonate	ND	2.0	5.0	"							
6:2 Fluorotelomer Sulfonate	ND	1.5	5.0	"							
8:2 Fluorotelomer Sulfonate	ND	1.3	5.0	"							
10:2 Fluorotelomer sulfonate	ND	5.4	8.0	"							
N-methyl perfluorooctanesulfonamidoacetic acid	ND	2.6	8.0	"							
N-ethyl perfluorooctanesulfonamidoacetic acid	ND	4.4	8.0	"							QIS
Perfluorooctane Sulfonamide (PFOSA)	ND	3.1	8.0	"							QIS
N-Methylperfluorooctanesulfonamide (MeFOSA)	ND	4.9	8.0	"							QIS
N-Ethylperfluorooctanesulfonamide (EtFOSA)	ND	3.4	8.0	"							QIS
N-Methylperfluorooctanesulfonamidoethanol (MeFOSE)	ND	4.8	8.0	"							QIS
N-Ethylperfluorooctanesulfonamidoethanol (EtFOSE)	ND	3.3	8.0	"							QIS
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	ND	2.3	5.0	"							



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PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant) - Quality Control

Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C16153, Prep Method: SPE, Analyst: MOF

Blank (5C16153-BLK1)

Prepared: 03/16/25 Analyzed: 03/18/25

2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND	4.1	8.0	ng/L							
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND	4.2	8.0	"							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	5.0	"							
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ND	2.9	5.0	"							
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	ND	0.86	5.0	"							
11-chloroeicosafuoro 3oxaundecane-1-sulfonic Acid	ND	1.4	5.0	"							

LCS (5C16153-BS1)

Prepared: 03/16/25 Analyzed: 03/18/25

Perfluorobutanoic acid (PFBA)	20	2.1	5.0	ng/L	20.0		100	73-129			
Perfluoropentanoic acid (PFPeA)	20	1.1	5.0	"	20.0		101	72-129			
Perfluorohexanoic Acid (PFHxA)	20	3.8	5.0	"	20.0		98	72-129			
Perfluoroheptanoic Acid (PFHpA)	20	3.2	5.0	"	20.0		99	72-130			
Perfluorooctanoic Acid (PFOA)	20	2.7	5.0	"	20.0		98	71-133			
Perfluorononanoic Acid (PFNA)	19	2.2	5.0	"	20.0		95	69-130			
Perfluorodecanoic Acid (PFDA)	19	1.5	5.0	"	20.0		96	71-129			
Perfluoroundecanoic Acid (PFUnA)	20	0.92	5.0	"	20.0		98	69-133			
Perfluorododecanoic Acid (PFDoDA)	20	2.1	5.0	"	20.0		98	72-134			
Perfluorotridecanoic Acid (PFTrDA)	20	1.3	5.0	"	20.0		100	65-144			
Perfluorotetradecanoic Acid (PFTeDA)	20	1.3	5.0	"	20.0		99	71-132			
Perfluorohexadecanoic acid (PFHxDA)	19	1.9	5.0	"	20.0		97	70-130			
Perfluorooctadecanoic acid (PFocDA)	17	4.1	5.0	"	20.0		87	38-142			
Perfluorobutanesulfonic Acid (PFBS)	19	2.4	5.0	"	20.0		97	72-130			
Perfluoropentanesulfonate (PFPeS)	20	3.1	5.0	"	20.0		98	71-127			
Perfluorohexanesulfonic Acid (PFHxS)	20	1.9	5.0	"	20.0		98	68-131			
Perfluoroheptanesulfonic acid (PFHpS)	20	1.9	5.0	"	20.0		98	69-134			
Perfluorooctanesulfonic Acid (PFOS)	19	1.5	5.0	"	20.0		95	65-140			
Perfluorononanesulfonic acid (PFNS)	18	2.9	5.0	"	20.0		92	69-127			
Perfluorodecanesulfonic acid (PFDS)	18	2.8	5.0	"	20.0		91	53-142			
4:2 Fluorotelomer Sulfonate	19	2.0	5.0	"	20.0		95	63-143			
6:2 Fluorotelomer Sulfonate	22	1.5	5.0	"	20.0		109	64-140			
8:2 Fluorotelomer Sulfonate	20	1.3	5.0	"	20.0		102	67-138			
10:2 Fluorotelomer sulfonate	20	5.4	8.0	"	20.0		100	64-136			
N-methyl perfluorooctanesulfonamidoacetic acid	19	2.6	8.0	"	20.0		93	65-136			



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant) - Quality Control

Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5C16153, Prep Method: SPE, Analyst: MOF

LCS (5C16153-BS1)

Prepared: 03/16/25 Analyzed: 03/18/25

N-ethyl perfluorooctanesulfonamidoacetic acid	19	4.4	8.0	ng/L	20.0		93	61-135			
Perfluorooctane Sulfonamide (PFOSA)	23	3.1	8.0	"	20.0		114	67-137			
N-Methylperfluorooctanesulfonamide (MeFOSA)	20	4.9	8.0	"	20.0		98	68-141			
N-Ethylperfluorooctanesulfonamide (EtFOSA)	19	3.4	8.0	"	20.0		95	52-159			
N-Methylperfluorooctanesulfonamidoethanol (MeFOSE)	19	4.8	8.0	"	20.0		94	70-134			
N-Ethylperfluorooctanesulfonamidoethanol (EtFOSE)	19	3.3	8.0	"	20.0		95	58-148			
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	17	2.3	5.0	"	20.0		86	40-145			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	17	4.1	8.0	"	20.0		86	70-130			
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	18	4.2	8.0	"	20.0		88	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	20	1.9	5.0	"	20.0		98	65-135			
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	20	2.9	5.0	"	20.0		100	70-130			
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	19	0.86	5.0	"	20.0		95	70-130			
11-chloroeicosafluoro 3oxaundecane-1-sulfonic Acid	19	1.4	5.0	"	20.0		95	70-130			

LCS Dup (5C16153-BSD1)

Prepared: 03/16/25 Analyzed: 03/18/25

Perfluorobutanoic acid (PFBA)	20	2.1	5.0	ng/L	20.0		102	73-129	2	30	
Perfluoropentanoic acid (PFPeA)	20	1.1	5.0	"	20.0		101	72-129	0.9	30	
Perfluorohexanoic Acid (PFHxA)	20	3.8	5.0	"	20.0		101	72-129	3	30	
Perfluoroheptanoic Acid (PFHpA)	20	3.2	5.0	"	20.0		99	72-130	0.2	30	
Perfluorooctanoic Acid (PFOA)	20	2.7	5.0	"	20.0		101	71-133	3	30	
Perfluorononanoic Acid (PFNA)	20	2.2	5.0	"	20.0		99	69-130	4	30	
Perfluorodecanoic Acid (PFDA)	19	1.5	5.0	"	20.0		97	71-129	1	30	
Perfluoroundecanoic Acid (PFUnA)	20	0.92	5.0	"	20.0		100	69-133	3	30	
Perfluorododecanoic Acid (PFDoDA)	20	2.1	5.0	"	20.0		102	72-134	5	30	
Perfluorotridecanoic Acid (PFTrDA)	21	1.3	5.0	"	20.0		104	65-144	4	30	
Perfluorotetradecanoic Acid (PFTeDA)	20	1.3	5.0	"	20.0		100	71-132	1	30	
Perfluorohexadecanoic acid (PFHxDA)	20	1.9	5.0	"	20.0		99	70-130	2	30	
Perfluorooctadecanoic acid (PFOcDA)	18	4.1	5.0	"	20.0		89	38-142	3	30	
Perfluorobutanesulfonic Acid (PFBS)	20	2.4	5.0	"	20.0		100	72-130	3	30	
Perfluoropentanesulfonate (PFPeS)	20	3.1	5.0	"	20.0		101	71-127	4	30	

Babcock Laboratories, Inc. - Riverside

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

PFAS by LCMSMS (QSM 5.3 Table B-15 Compliant) - Quality Control

Babcock Laboratories, Inc. - Riverside

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	----	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 5C16153, Prep Method: SPE, Analyst: MOF

LCS Dup (5C16153-BSD1)

Prepared: 03/16/25 Analyzed: 03/18/25

Perfluorohexanesulfonic Acid (PFHxS)	20	1.9	5.0	ng/L	20.0		101	68-131	2	30	
Perfluoroheptanesulfonic acid (PFHpS)	20	1.9	5.0	"	20.0		98	69-134	0.8	30	
Perfluorooctanesulfonic Acid (PFOS)	19	1.5	5.0	"	20.0		95	65-140	0.3	30	
Perfluorononanesulfonic acid (PFNS)	18	2.9	5.0	"	20.0		92	69-127	0.3	30	
Perfluorodecanesulfonic acid (PFDS)	17	2.8	5.0	"	20.0		85	53-142	7	30	
4:2 Fluorotelomer Sulfonate	19	2.0	5.0	"	20.0		96	63-143	0.5	30	
6:2 Fluorotelomer Sulfonate	22	1.5	5.0	"	20.0		108	64-140	0.6	30	
8:2 Fluorotelomer Sulfonate	22	1.3	5.0	"	20.0		109	67-138	6	30	
10:2 Fluorotelomer sulfonate	20	5.4	8.0	"	20.0		102	64-136	2	30	
N-methyl perfluorooctanesulfonamidoacetic acid	20	2.6	8.0	"	20.0		99	65-136	6	30	
N-ethyl perfluorooctanesulfonamidoacetic acid	20	4.4	8.0	"	20.0		100	61-135	8	30	
Perfluorooctane Sulfonamide (PFOSA)	24	3.1	8.0	"	20.0		121	67-137	6	30	
N-Methylperfluorooctanesulfonamide (MeFOSA)	21	4.9	8.0	"	20.0		103	68-141	5	30	
N-Ethylperfluorooctanesulfonamide (EtFOSA)	20	3.4	8.0	"	20.0		100	52-159	6	30	
N-Methylperfluorooctanesulfonamidoethanol (MeFOSE)	20	4.8	8.0	"	20.0		99	70-134	5	30	
N-Ethylperfluorooctanesulfonamidoethanol (EtFOSE)	20	3.3	8.0	"	20.0		98	58-148	3	30	
4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	19	2.3	5.0	"	20.0		96	40-145	11	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	18	4.1	8.0	"	20.0		91	70-130	6	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	18	4.2	8.0	"	20.0		89	70-130	1	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	20	1.9	5.0	"	20.0		99	65-135	0.6	30	
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	21	2.9	5.0	"	20.0		105	70-130	5	30	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	19	0.86	5.0	"	20.0		95	70-130	0.8	30	
11-chloroeicosafluoro 3oxaundecane-1-sulfonic Acid	18	1.4	5.0	"	20.0		90	70-130	5	30	



State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
 Project Number: Wildfire Response 2025
 Project Manager: John Salguero

Reported:
 03/21/25 18:42

Notes and Definitions

- J Estimated value
- N_ppH Sample could not be preserved to the pH required by the method.
- N_RLd The reporting limit has been raised due to sample dilution. The dilution was required to get one or more target analytes within the calibration range of the instrument.
- N_RLm Due to sample matrix, the reporting limit has been raised.
- N_TD Laboratory noted that the dissolved result is higher than the total. The difference between the two results is within the precision of the method.
- NCEVE In an acidified sample, this compound degrades and is not detectable as 2-Chloroethylvinyl ether. Its degradation product is 2-Chloroethanol, which is not an analyte of this method.
- NISm Due to matrix interference, the internal standard recovery for this analyte did not meet laboratory acceptance criteria.
- NMint Due to matrix interference, the matrix spike and/or matrix spike duplicate performed on this sample did not meet laboratory acceptance criteria.
- NRPDo The RPD/precision of replicate analyses performed on this sample did not meet laboratory acceptance criteria.
- Q_nes Insufficient sample for the sample duplicate and/or MS/MSD analysis.
- QCEVE In an acidified sample, this compound degrades and is not detectable as 2-Chloroethylvinyl ether. Its degradation product is 2-Chloroethanol, which is not an analyte of this method.
- QFpas Follow-up result within laboratory acceptance criteria.
- QIS The Internal Standard recovery for this QC analyte did not meet acceptance criteria.
- QM-4X Due to analyte concentration greater than or equal to 4 times the spike concentration, recoveries for the MS and/or MSD did not meet laboratory acceptance criteria.
- QMint Due to matrix interference, the MS and/or MSD did not meet laboratory acceptance criteria.
- QMS(D) Matrix spike recovery was out of acceptance criteria. Precision and accuracy demonstrated by remaining matrix spike results.
- QOcal The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- Qraw Based on raw data excluding numerical rounding, QC recovery was within laboratory acceptance criteria.
- QRPDI Analyte concentration was below range for valid RPD determination.
- QRPDo The RPD value for the sample duplicate or MS/MSD did not meet laboratory acceptance criteria.

-
- DET Analyte DETECTED
 - ND Analyte NOT DETECTED at or above the Reporting Limit (or Method Detection Limit when listed)
 - NR Not Reported



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Babcock Laboratories, Inc. - Riverside
6100 Quail Valley Court
Riverside, CA 92507-0704
(951) 653-3351

State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

Dry Sample results reported on a dry weight basis
RPD Relative Percent Difference



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State Water Resources Control Board - Region 4
320 West Fourth Street, Suite 200
Los Angeles CA, 90013

Project: RWB4_WildFireResponse_2025
Project Number: Wildfire Response 2025
Project Manager: John Salguero

Reported:
03/21/25 18:42

Babcock Laboratories, Inc. - Riverside - Certification(s) List

Cert. ID	Description	Cert. Number	Expires
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BABCOCK LABORATORIES


6100 Quail Valley Court
Riverside, CA 92507
T: (951) 653-3351

Non-SWAMP/CEDEN Projects

*This COC is for Non-CEDEN Projects only, results are not required to be in SWAMP 2.5 EDD Template

Chain of Custody Record & Sample Information

Page _____ of _____

Sample Collection Agency: Los Angeles RWQCB		Agreement No.: 22-005-270		Sample Matrix (See Codes Below)	Sample Type (G = Grab; C = Composite; O = Other)	Container Type (P = Plastic; G = Glass; O = Other)	Preservation Code (See Codes Below)	# of Containers	Analyses Requested										
Sample Collection Agency Address: 320 W. 4th Street, Los Angeles, CA 90013		Project Code: RWB4_WildFireResponse_2025							SS, TSS, TDS, Alk, SO4, OP, NO3N, NO3N+NO2N,	8270 PAH SIM	PFAS	Total Metals, Ca, Hardness	Dissolved Metals	TP, TN, NH3	VOC suite EPA method 624.1	Asbestos	TOC	Notes	
Project Lead: Name: Emily Duncan Phone: (213) 576-6679 Email: emily.duncan@waterboards.ca.gov		Project Name: RWB4 Wildfire Response 2025 GeoTracker Global ID:																	Field Lead: Name: Phone: Email:
Sample ID	Date	Time	Location																
1) DPH 108	3/13	11:40	Venice City Beach	SSW	G	P	1	4	X						X		(5X) 1L Plastic HDPE		
2)			Venice Pier	SSW	G	G	1	2		X							(2X) 1L Amber Glass		
3)				SSW	G	P	2	1			X						250 mL Plastic HDPE (Nitric)		
4)				SSW	G	P	2,9	1				X					Filtered 250 mL Plastic HDPE (Nitric)		
5)				SSW	G	P	4	1					X				250 mL Plastic HDPE (Sulfuric)		
6)				SSW	G	G	4	3						X			40mL Amber Vial x3 (Sulfuric)		
7)				SSW	G	G	3	4					X				40mL Amber Vial x4 (HCl)		
8)				SSW	G	G	1	2		X							(2x) 250mL HDPE		
9)																			
10)																			
Samples Relinquished By:				Samples Received By:															
Name (Print) and Agency		Signature		Date		Time		Name (Print) and Agency		Signature		Date		Time					
1) Emily Duncan LARWQCB		[Signature]		3/13		2:01		Daniel Villan		[Signature]		3/13/25		3:03					
2) Daniel Villan		[Signature]		3/13		5:15		Blanca Garcia		[Signature]		3/13/25		1714					
3)																			
4)																			
Sample Matrix		Preservation Codes		Sample Receipt - Completed by Laboratory personnel:				Laboratory Notes:				Special Instructions:							
SFW = Surface Fresh Water; SSW = Surface Salt Water; DW = Drinking Water; GW = Groundwater; SW = Stormwater; WW = Wastewater; OL = Other Liquids; SO = Soil / Sediment; SL = Sludge / Slurry; OS = Other Solids; O = Other _____		1. Cool, ≤ 6 °C 2. HNO3 3. HCl 4. H2SO4 5. Na2S2O3 6. NaOH 7. NaOH/ZnAcetate 8. NH4Cl 9. Filtered 10. Freeze, ≤ -10 °C 11. None required 12. Other _____		Total Number of Sample Containers Received:		Sample(s) Properly Cooled: <input checked="" type="checkbox"/> N / NA Temperature: 5 °C		Sample(s) Intact: <input checked="" type="checkbox"/> N / NA		Custody Seal(s) Intact: Y / N / NA		Sample(s) Accepted: <input checked="" type="checkbox"/> N		Babcock - Can you analyze PFOS/PFOA if possible - Russ Colby T(7:6) C5C1975 Rc'd: 03/13/2025 17:14 JLH Autospool 				Evidence sample handling required? <input type="checkbox"/>	
												Return Shipping Containers? <input type="checkbox"/>		Routine <input type="checkbox"/>					
												Turn Around Time: *3-5 Day (Rush) X		*48-Hr (Rush) <input type="checkbox"/>					

Distribution: Original copies accompany sample shipment to laboratory; Electronic copy emailed to aguerra@babcocklabs.com & OIMA-Helpdesk@waterboards.ca.gov

BABCOCK LABORATORIES

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Non-SWAMP/CEDEN Projects

*This COC is for Non-CEDEN Projects only, results are not required to be in SWAMP 2.5 EDD Template

Chain of Custody Record & Sample Information

Page _____ of _____

Sample Collection Agency: Los Angeles RWQCB		Agreement No.: 22-005-270		Sample Matrix (See Codes Below)	Sample Type (G = Grab; C = Composite; O = Other)	Container Type (P = Plastic; G = Glass; O = Other)	Preservation Code (See Codes Below)	# of Containers	Analyses Requested													
Sample Collection Agency Address: 320 W. 4th Street, Los Angeles, CA 90013		Project Code: RWB4_WildFireResponse_2025							SS, TSS, TDS, Alk, SO4, OP, NO3N, NO3N+NO2N,	8270 PAH SIM	PFAS	Total Metals, Ca, Hardness	Dissolved Metals	TP, TN, NH3	VOC suite EPA method 824.1	Asbestos	TOC	Notes				
Project Lead: Name: Emily Duncan Phone: (213) 576-6679 Email: emily.duncan@waterboards.ca.gov		Field Lead: Name: Phone: Email:																				
Sample ID	Date	Time	Location																			
1) DPH 105 B	3/13	11:50	Santa Monica Beach	SSW	G	P	1	4	X													(5X) 1L Plastic HDPE
2)			50 yds east of SD	SSW	G	G	1	2		X												(2X) 1L Amber Glass
3)				SSW	G	P	2	1														250 mL Plastic HDPE (Nitric)
4)				SSW	G	P	2, 9	1						X								Filtered 250 mL Plastic HDPE (Nitric)
5)				SSW	G	P	4	1							X							250 mL Plastic HDPE (Sulfuric)
6)				SSW	G	G	4	3														40mL Amber Vial x3 (Sulfuric)
7)				SSW	G	G	3	4								X						40mL Amber Vial x4 (HCl)
8)				SSW	G	G	1	2			X											(2x) 250mL HDPE
9)																						
10)																						
Samples Relinquished By:				Samples Received By:																		
Name (Print) and Agency		Signature		Date		Time		Name (Print) and Agency		Signature		Date		Time								
1) Emily Duncan LARWQCB				3/13		11:55		Daniel Villanueva				3/13/25		3:05								
2) Daniel Villanueva				3/13/25		5:15		Blanca Garcia				3/13/25		1714								
3)																						
4)																						
Sample Matrix		Preservation Codes		Sample Receipt - Completed by Laboratory personnel:				Laboratory Notes:				Special Instructions:										
SFW = Surface Fresh Water; SSW = Surface Salt Water; DW = Drinking Water; GW = Groundwater; SW = Stormwater; WW = Wastewater; OL = Other Liquids; SO = Soil / Sediment; SL = Sludge / Slurry; OS = Other Solids; O = Other _____		1. Cool, ≤ 6 °C 2. HNO3 3. HCl 4. H2SO4 5. Na2S2O3 6. NaOH 7. NaOH/ZnAcetate 8. NH4Cl 9. Filtered 10. Freeze, ≤ -10 °C 11. None required 12. Other _____		Total Number of Sample Containers Received: Sample(s) Properly Cooled <input checked="" type="checkbox"/> Y / N / NA Temperature: 5 °C Sample(s) Intact <input checked="" type="checkbox"/> Y / N / NA Custody Seal(s) Intact: Y / N / <input checked="" type="checkbox"/> NA Sample(s) Accepted <input checked="" type="checkbox"/> Y / N				Babcock - Can you analyze PFOS/PFOA if possible - Russ Colby TLC: cel C5C1975 Rc'd: 03/13/2025 17:14 JLH Autospool				Evidence sample handling required? <input type="checkbox"/> Return Shipping Containers? <input type="checkbox"/> Turn Around Time: Routine <input type="checkbox"/> *3-5 Day (Rush) <input checked="" type="checkbox"/> *48-Hr (Rush) <input type="checkbox"/>										
				Send Results to: OIMA-Helpdesk@waterboards.ca.gov emily.duncan@waterboards.ca.gov																		

Distribution: Original copies accompany sample shipment to laboratory; Electronic copy emailed to aguerra@babcocklabs.com & OIMA-Helpdesk@waterboards.ca.gov

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Non-SWAMP/CEDEN Projects

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Chain of Custody Record & Sample Information

Page _____ of _____

Sample Collection Agency: Los Angeles RWQCB		Agreement No.: 22-005-270		Sample Matrix (See Codes Below)	Sample Type (G = Grab; C = Composite; O = Other)	Container Type (P = Plastic; G = Glass; O = Other)	Preservation Code (See Codes Below)	# of Containers	Analyses Requested									
Sample Collection Agency Address: 320 W. 4th Street, Los Angeles, CA 90013		Project Code: RWB4_WildFireResponse_2025							SS, TSS, TDS, Alk, SO4, OP, NO3N, NO3N+NO2N	8270 PAH SIM	PFAS	Total Metals, Ca, Hardness	Dissolved Metals	TP, TN, NH3	VOC suite EPA method 624.1	Asbestos	TOC	Notes
Project Lead: Name: Emily Duncan Phone: (213) 576-6679 Email: emily.duncan@waterboards.ca.gov		Field Lead: Name: Phone: Email:																
Project Name: RWB4 Wildfire Response 2025		GeoTracker Global ID:																

Sample ID	Date	Time	Location	Sample Matrix	Sample Type	Container Type	Preservation Code	# of Containers	SS, TSS, TDS, Alk, SO4, OP, NO3N, NO3N+NO2N	8270 PAH SIM	PFAS	Total Metals, Ca, Hardness	Dissolved Metals	TP, TN, NH3	VOC suite EPA method 624.1	Asbestos	TOC	Notes	
1) SB 3-4 DUPE	3/13	8:35	Santa Monica State	SSW	G	P	1	4	X									(5X) 1L Plastic HDPE	
2)		8:35	Beach Pico-Kenter	SSW	G	G	1	2		X								(2X) 1L Amber Glass	
3)			Duplicate	SSW	G	P	2	1				X						250 mL Plastic HDPE (Nitric)	
4)				SSW	G	P	2, 9	1					X					Filtered 250 mL Plastic HDPE (Nitric)	
5)				SSW	G	P	4	1						X				250 mL Plastic HDPE (Sulfuric)	
6)				SSW	G	G	4	3									X	40mL Amber Vial x3 (Sulfuric)	
7)				SSW	G	G	3	4								X		40mL Amber Vial x4 (HCl)	
8)				SSW	G	G	1	2			X							(2x) 250mL HDPE	
9)																			
10)																			

Samples Relinquished By:				Samples Received By:			
Name (Print) and Agency	Signature	Date	Time	Name (Print) and Agency	Signature	Date	Time
1) Emily Duncan LA RWQCB	<i>Emily Duncan</i>	3/13	1:50	1) Daniel Villan	<i>Daniel Villan</i>	3/13/25	3:03
2) Daniel Villan	<i>Daniel Villan</i>	3/13/25	5:15	2) Blanca Garcia	<i>Blanca Garcia</i>	3/13/25	1714
3)							
4)							

Sample Matrix	Preservation Codes	Sample Receipt - Completed by Laboratory personnel:		Laboratory Notes:		Special Instructions:	
SFW = Surface Fresh Water; SSW = Surface Salt Water; DW = Drinking Water; GW = Groundwater; SW = Stormwater; WW = Wastewater; OL = Other Liquids; SO = Soil / Sediment; SL = Sludge / Slurry; OS = Other Solids; O = Other _____	1. Cool, ≤ 6 °C 2. HNO3 3. HCl 4. H2SO4 5. Na2S2O3 6. NaOH 7. NaOH/ZnAcetate 8. NH4Cl 9. Filtered 10. Freeze, ≤ -10 °C 11. None required 12. Other _____	Total Number of Sample Containers Received:	Temperature: 5 °C	Babcock - Can you analyze PFOS/PFOA if possible - Russ Colby T6:01		Evidence sample handling required? <input type="checkbox"/>	
		Sample(s) Properly Cooled: 0 / N / NA		<div style="border: 1px solid black; padding: 5px;"> <p>C5C1975</p> <p>Re'd: 03/13/2025 17:14</p> <p>JLH Autospool</p>  </div>		Return Shipping Containers? <input type="checkbox"/>	
		Sample(s) Intact: 0 / N / NA				Turn Around Time:	
		Custody Seal(s) Intact: Y / N / NA		Send Results to: OIMA-Helpdesk@waterboards.ca.gov	Routine <input type="checkbox"/>		
		Sample(s) Accepted: Y / N		to: emily.duncan@waterboards.ca.gov	*3-5 Day (Rush) X		
					*48-Hr (Rush) <input type="checkbox"/>		

Distribution: Original copies accompany sample shipment to laboratory; Electronic copy emailed to aguerra@babcocklabs.com & OIMA-Helpdesk@waterboards.ca.gov

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Non-SWAMP/CEDEN Projects

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Chain of Custody Record & Sample Information

Page _____ of _____

Sample Collection Agency: Los Angeles RWQCB		Agreement No.: 22-005-270		Sample Matrix (See Codes Below) Sample Type (G = Grab; C = Composite; O = Other) Container Type (P = Plastic; G = Glass; O = Other) Preservation Code (See Codes Below) # of Containers		Analyses Requested																	
Sample Collection Agency Address: 320 W. 4th Street, Los Angeles, CA 90013		Project Code: RWB4_WildFireResponse_2025				SS, TSS, TDS, Alk, SO4, OP, NO3N, NO3NH+NO2N, 8270 PAH SIM PFAS Total Metals, Ca, Hardness Dissolved Metals TP, TN, NH3 VOC suite EPA method 624.1	Asbestos	TOC	Notes														
Project Lead: Name: Emily Duncan Phone: (213) 576-6679 Email: emily.duncan@waterboards.ca.gov		Project Name: RWB4 Wildfire Response 2025 GeoTracker Global ID:																					
Field Lead: Name: <u>Emily Duncan</u> Phone: <u>530-304-6217</u> Email: _____																							
Sample ID	Date	Time	Location	Sample Matrix	Sample Type	Container Type	Preservation Code	# of Containers	SS, TSS, TDS, Alk, SO4, OP, NO3N, NO3NH+NO2N, 8270 PAH SIM	PFAS	Total Metals, Ca, Hardness	Dissolved Metals	TP, TN, NH3	VOC suite EPA method 624.1	Asbestos	TOC	Notes						
1) SB 3-4	<u>3/13/25</u>	<u>8:40</u>	<u>Santa Monica State</u>	SSW	G	P		1	4	X								(5X) 1L Plastic HDPE					
2) SB 3-4	<u>3/13</u>	<u>8:40</u>	<u>Beach Pico-Kenter</u>	SSW	G	G		1	2		X							(2X) 1L Amber Glass					
3) SB 3-4	<u>3/13</u>	<u>8:40</u>	↓	SSW	G	P		2	1			X						250 mL Plastic HDPE (Nitric)					
4) SB 3-4	<u>3/13</u>	<u>8:40</u>		SSW	G	P		2,9	1				X						Filtered 250 mL Plastic HDPE (Nitric)				
5) SB 3-4	<u>3/13</u>	<u>8:40</u>		SSW	G	P		4	1					X					250 mL Plastic HDPE (Sulfuric)				
6) SB 3-4	<u>3/13</u>	<u>8:40</u>		SSW	G	G		4	3								X		40mL Amber Vial x3 (Sulfuric)				
7) SB 3-4	<u>3/13</u>	<u>8:40</u>		SSW	G	G		3	4										40mL Amber Vial x4 (HCl)				
8) SB 3-4	<u>3/13</u>	<u>8:40</u>		SSW	G	G		1	2			X							(2x) 250mL HDPE				
9)																							
10)																							
Samples Relinquished By:				Samples Received By:																			
Name (Print) and Agency		Signature		Date		Time		Name (Print) and Agency		Signature		Date		Time									
1) <u>Emily Duncan LARWQCB</u>		<u>[Signature]</u>		<u>3/13/25</u>		<u>1:48pm</u>		1) <u>Daniel Villanueva DCS</u>		<u>[Signature]</u>		<u>3/13/25</u>		<u>3:03</u>									
2) <u>Daniel Villanueva</u>		<u>[Signature]</u>		<u>3/13/25</u>		<u>5:15</u>		2) <u>Bianca Garcia</u>		<u>[Signature]</u>		<u>3/13/25</u>		<u>1714</u>									
3)																							
4)																							
Sample Matrix		Preservation Codes		Sample Receipt - Completed by Laboratory personnel:				Laboratory Notes:				Special Instructions:											
SFW = Surface Fresh Water; SSW = Surface Salt Water; DW = Drinking Water; GW = Groundwater; SW = Stormwater; WW = Wastewater; OL = Other Liquids; SO = Soil / Sediment; SL = Sludge / Slurry; OS = Other Solids; O = Other _____		1. Cool, ≤ 6 °C 2. HNO3 3. HCl 4. H2SO4 5. Na2S2O3 6. NaOH 7. NaOH/ZnAcetate 8. NH4Cl 9. Filtered 10. Freeze, ≤ -10 °C 11. None required 12. Other _____		Total Number of Sample Containers Received:		Sample(s) Properly Cooled: <u>0</u> / N / NA		Temperature: <u>5</u> °C		Sample(s) Intact: <u>0</u> / N / NA		Custody Seal(s) Intact: <u>Y</u> / N / NA		Sample(s) Accepted: <u>0</u> / N		Babcock - Can you analyze PFOS/PFOA if possible - Russ Colby T(1:6) C5C1975 Rc'd: 03/13/2025 17:14 JLH Autospool 				Evidence sample handling required? <input type="checkbox"/>		Return Shipping Containers? <input type="checkbox"/>	
								Send Results to: OIMA-Helpdesk@waterboards.ca.gov emily.duncan@waterboards.ca.gov						Turn Around Time:		Routine <input type="checkbox"/>		*3-5 Day (Rush) <input checked="" type="checkbox"/>					
																		*48-Hr (Rush) <input type="checkbox"/>					

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Chain of Custody Record & Sample Information

Page _____ of _____

Sample Collection Agency: Los Angeles RWQCB		Agreement No.: 22-005-270		Sample Matrix (See Codes Below)	Sample Type (G = Grab; C = Composite; O = Other)	Container Type (P = Plastic; G = Glass; O = Other)	Preservation Code (See Codes Below)	# of Containers	Analyses Requested										
Sample Collection Agency Address: 320 W. 4th Street, Los Angeles, CA 90013		Project Code: RWB4_WildFireResponse_2025							SS, TSS, TDS, Alk, SO4, OP, NO3N, NO3N+NO2N,	8270 PAH SIM	PFAS	Total Metals, Ca, Hardness	Dissolved Metals	TP, TN, NH3	VOC suite EPA method 624.1	Asbestos	TOC	Notes	
Project Lead: Name: Emily Duncan Phone: (213) 576-6679 Email: emily.duncan@waterboards.ca.gov		Field Lead: Name: Phone: Email:																	
Sample ID	Date	Time	Location																
1) DPH 107 B	3/13	10:30	Venice city beach	SSW	G	P	1	4	X					(5X) 1L Plastic HDPE					
2)			50 yards south of SD	SSW	G	G	1	2		X				(2X) 1L Amber Glass					
3)				SSW	G	P	2	1			X			250 mL Plastic HDPE (Nitric)					
4)				SSW	G	P	2,9	1			X			Filtered 250 mL Plastic HDPE (Nitric)					
5)				SSW	G	P	4	1				X		250 mL Plastic HDPE (Sulfuric)					
6)				SSW	G	G	4	3					X	40mL Amber Vial x3 (Sulfuric)					
7)				SSW	G	G	3	4				X		40mL Amber Vial x4 (HCl)					
8)				SSW	G	G	1	2		X				(2x) 250mL HDPE					
9)																			
10)																			
Samples Relinquished By:				Samples Received By:															
Name (Print) and Agency		Signature		Date		Time		Name (Print) and Agency		Signature		Date		Time					
1) Emily Duncan LAPWQCB		<i>[Signature]</i>		3/13		2:00		Daniel Villanueva		<i>[Signature]</i>		3/13/25		3:05					
2) Daniel Villanueva		<i>[Signature]</i>		3/13/25		5:15		Blanca Garcia		<i>[Signature]</i>		3/13/25		1714					
3)																			
4)																			
Sample Matrix		Preservation Codes		Sample Receipt - Completed by Laboratory personnel:				Laboratory Notes:				Special Instructions:							
SFW = Surface Fresh Water; SSW = Surface Salt Water; DW = Drinking Water; GW = Groundwater; SW = Stormwater; WW = Wastewater; OL = Other Liquids; SO = Soil / Sediment; SL = Sludge / Slurry; OS = Other Solids; O = Other _____		1. Cool, ≤ 6 °C 2. HNO3 3. HCl 4. H2SO4 5. Na2S2O3 6. NaOH 7. NaOH/ZnAcetate 8. NH4Cl 9. Filtered 10. Freeze, ≤ -10 °C 11. None required 12. Other _____		Total Number of Sample Containers Received:		Sample(s) Properly Cooled: <input checked="" type="checkbox"/> N / NA Temperature: 5 °C		Sample(s) Intact: <input checked="" type="checkbox"/> N / NA		Custody Seal(s) Intact: Y / N / NA		Sample(s) Accepted: <input checked="" type="checkbox"/> / N		Babcock - Can you analyze PFOS/PFOA if possible - Russ Colby T116 C5C1975 Rc'd: 03/13/2025 17:14 JLH Autospool 				Evidence sample handling required? <input type="checkbox"/>	
												Return Shipping Containers? <input type="checkbox"/>		Routine <input type="checkbox"/>					
												Turn Around Time: *3-5 Day (Rush) <input checked="" type="checkbox"/>		*48-Hr (Rush) <input type="checkbox"/>					

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Sample Collection Agency: Los Angeles RWQCB		Agreement No.: 22-005-270		Sample Matrix (See Codes Below)	Sample Type (G = Grab; C = Composite; O = Other)	Container Type (P = Plastic; G = Glass; O = Other)	Preservation Code (See Codes Below)	# of Containers	Analyses Requested									
Sample Collection Agency Address: 320 W. 4th Street, Los Angeles, CA 90013		Project Code: RWB4_WildFireResponse_2025							SS, TSS, TDS, Alk, SO4, OP, NO3N, NO3N+NO2N,	8270 PAH SIM	PFAS	Total Metals, Ca, Hardness	Dissolved Metals	TP, TN, NH3	VOC suite EPA method 624.1	Asbestos	TOC	Notes
Project Lead: Name: Emily Duncan Phone: (213) 576-6679 Email: emily.duncan@waterboards.ca.gov		Field Lead: Name: <i>Emily Duncan</i> Phone: <i>530-304-6217</i> Email: _____																
Sample ID	Date	Time	Location															
1) SMB 2-7 Beach	3/13	10:15	Will Rogers State Beach Santa Monica Canyon															
2)																		
3)																		
4)																		
5)																		
6)																		
7)																		
8)																		
9)																		
10)																		
Samples Relinquished By:				Samples Received By:														
Name (Print) and Agency		Signature		Date	Time	Name (Print) and Agency		Signature		Date	Time							
1) <i>Emily Duncan LARWQCB</i>		<i>[Signature]</i>		3/13	1:52	1) <i>Donald Villanar</i>		<i>[Signature]</i>		3/13/25	3:03							
2) <i>Donald Villanar</i>		<i>[Signature]</i>		3/13/25	5:15	2) <i>Bianca Garcia</i>		<i>[Signature]</i>		3/13/25	17:14							
3)						3)												
4)						4)												
Sample Matrix	Preservation Codes	Sample Receipt - Completed by Laboratory personnel:			Laboratory Notes:					Special Instructions:								
SW = Surface Fresh Water; SSW = Surface Salt Water; DW = Drinking Water; GW = Groundwater; SW = Stormwater; WW = Wastewater; OL = Other Liquids; SO = Soil / Sediment; SL = Sludge / Slurry; OS = Other Solids; O = Other _____	1. Cool, ≤ 6 °C 2. HNO3 3. HCl 4. H2SO4 5. Na2S2O3 6. NaOH 7. NaOH/ZnAcetate 8. NH4Cl 9. Filtered 10. Freeze, ≤ -10 °C 11. None required 12. Other _____	Total Number of Sample Containers Received:	Sample(s) Properly Cooled: <input checked="" type="checkbox"/> N / NA Temperature: <u>5</u> °C		Babcock - Can you analyze PFOS/PFOA if possible - Russ Colby T-6161 C5C1975 Rc'd: 03/13/2025 17:14 JLH Autospool 					Evidence sample handling required? <input type="checkbox"/>								
		Sample(s) Intact: <input checked="" type="checkbox"/> N / NA	Custody Seal(s) Intact: Y / N / <input checked="" type="checkbox"/> N		Send Results to: OIMA-Helpdesk@waterboards.ca.gov emily.duncan@waterboards.ca.gov					Return Shipping Containers? <input type="checkbox"/>								
		Sample(s) Accepted: <input checked="" type="checkbox"/> N								Turn Around Time: Routine <input type="checkbox"/> *3-5 Day (Rush) <input checked="" type="checkbox"/> *48-Hr (Rush) <input type="checkbox"/>								

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