Alpha Analytical Laboratories Inc.
e-mail: clientservices@alpha-labs.com
Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267
Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 •Phone: (925) 828-6226 • Fax: (925) 828-6309
Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 •Phone: (916) 686-5190 • Fax: (916) 686-5192

ELAP Certificates 1551, 2728, and 2922

25 June 2018

EME Enterprises, Inc.
Attn: Frank Cheng
1256 W. Winton Ave
Hayward, CA 94545
RE: Full Title 21 Annual Testing
Work Order: 18E1627

Enclosed are the results of analyses for samples received by the laboratory on 05/16/18 22:07. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Poplin

Jeanette L. Poplin For David S. Pingatore
Project Manager

Alpha Analytical Laboratories Inc.
e-mail: clientservices@alpha-labs.com
Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267
Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 •Phone: (925) 828-6226 • Fax: (925) 828-6309
Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 •Phone: (916) 686-5190 • Fax: (916) 686-5192

EME Enterprises, Inc.	Project Manager: Frank Cheng	
1256 W. Winton Ave	Project: Full Title 21 Annual Testing	Reported:
Hayward, CA 94545	Project Number: [none]	06/25/18 13:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EME Enterprises 5 Gallon Jug	18E1627-01	Water	05/16/18 12:00	05/16/18 22:07

This represents an amended copy of the original report.

Subcontracted results added. Eurofins and Weck added.

Alpha Analytical Laboratories Inc.
e-mail: clientservices@alpha-labs.com
Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267
Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 •Phone: (925) 828-6226 • Fax: (925) 828-6309
Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 •Phone: (916) 686-5190 • Fax: (916) 686-5192

EME Enterprises, Inc.	Project Manager: Frank Cheng	
1256 W. Winton Ave	Project: Full Title 21 Annual Testing	Reported:
Hayward, CA 94545	Project Number: [none]	06/25/18 13:42

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
EME Enterprises 5 Gallon Jug (18E1627-01)		**Sample Type: Water**				**Sampled: 05/16/18 12:00**		
Metals (Drinking Water) by EPA 200 Series Methods								
Mercury	ND ug/L	1.0	1	AE84316	05/31/18 13:50	06/01/18 14:16	EPA 245.1	
Metals by EPA 200 Series Methods								
Iron	ND mg/L	0.10	1	AE84181	05/30/18 09:15	06/01/18 15:04	EPA 200.7	
Metals by EPA Method 200.8 ICP/MS								
Aluminum	ND ug/L	10	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Antimony	ND ug/L	0.50	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Arsenic	ND ug/L	0.50	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Barium	ND ug/L	0.50	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Beryllium	ND ug/L	0.10	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Cadmium	ND ug/L	0.10	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Chromium	**0.53 ug/L**	**0.50**	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Copper	ND ug/L	0.50	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Lead	ND ug/L	0.25	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Manganese	ND ug/L	5.0	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Nickel	ND ug/L	0.50	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Selenium	ND ug/L	2.0	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Silver	ND ug/L	0.10	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Thallium	ND ug/L	0.10	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Uranium	ND pCi/l	1.0	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	
Zinc	ND ug/L	5.0	1	AE83944	05/24/18 11:00	05/29/18 17:16	EPA 200.8	

Alpha Analytical Laboratories Inc.
e-mail: clientservices@alpha-labs.com
Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267
Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 •Phone: (925) 828-6226 • Fax: (925) 828-6309
Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 •Phone: (916) 686-5190 • Fax: (916) 686-5192

EME Enterprises, Inc.	Project Manager: Frank Cheng	
1256 W. Winton Ave	Project: Full Title 21 Annual Testing	Reported:
Hayward, CA 94545	Project Number: [none]	06/25/18 13:42

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
EME Enterprises 5 Gallon Jug (18E1627-01)		**Sample Type: Water**				**Sampled: 05/16/18 12:00**		
Conventional Chemistry Parameters by APHA/EPA Methods								
Color	ND CU	5.0	1	AE83768	05/17/18 06:30	05/17/18 06:30	SM2120B	
Odor	ND T.O.N.	1.0	1	AE83768	05/17/18 06:30	05/17/18 06:30	EPA 140.1	
Total Dissolved Solids	ND mg/L	10	1	AE83806	05/18/18 07:59	05/23/18 17:27	SM2540C	
Turbidity	**0.40 NTU**	**0.10**	1	AE83794	05/17/18 11:20	05/17/18 11:20	SM2130B	
Chloramines, total	ND ug/L	0.10	1	AE83793	05/17/18 07:30	05/17/18 07:30	SM4500-Cl F	T-14
Nitrate + Nitrite as N	ND mg/L	0.40	1	AE83912	05/21/18 11:45	05/31/18 11:20	Calculation	
Miscellaneous Physical/Conventional Chemistry Parameters								
Cyanide (total)	ND mg/L	0.020	1	AE83893	05/21/18 10:00	05/21/18 17:37	10-204-00-1X	
Anions by EPA Method 300.0								
Chloride	ND mg/L	0.50	1	AE83747	05/17/18 16:51	05/17/18 16:51	EPA 300.0	
Fluoride	ND mg/L	0.10	1	AE83747	05/17/18 16:51	05/17/18 16:51	EPA 300.0	
Nitrate as N	ND mg/L	0.20	1	AE83747	05/17/18 16:51	05/17/18 16:51	EPA 300.0	
Nitrite as N	ND mg/L	0.20	1	AE83747	05/17/18 16:51	05/17/18 16:51	EPA 300.0	
Sulfate as SO4	ND mg/L	0.50	1	AE83747	05/17/18 16:51	05/17/18 16:51	EPA 300.0	
Anions by EPA Method 300.1								
Bromate	ND ug/L	5.0	1	AE84255	05/30/18 04:56	05/30/18 04:56	EPA 300.1	
Chlorite	ND mg/L	0.020	1	AE84255	05/30/18 04:56	05/30/18 04:56	EPA 300.1	
Surrogate: Dichloroacetate	*97.2 %*	*90-115*		*AE84255*	*05/30/18 04:56*	*05/30/18 04:56*	*EPA 300.1*	
Surrogate: Dichloroacetate	*97.2 %*	*90-115*		*AE84255*	*05/30/18 04:56*	*05/30/18 04:56*	*EPA 300.1*	

Alpha Analytical Laboratories Inc.
e-mail: clientservices@alpha-labs.com
Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267
Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 •Phone: (925) 828-6226 • Fax: (925) 828-6309
Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 •Phone: (916) 686-5190 • Fax: (916) 686-5192

EME Enterprises, Inc.	Project Manager: Frank Cheng	
1256 W. Winton Ave	Project: Full Title 21 Annual Testing	Reported:
Hayward, CA 94545	Project Number: [none]	06/25/18 13:42

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
EME Enterprises 5 Gallon Jug (18E1627-01)		**Sample Type: Water**				**Sampled: 05/16/18 12:00**		
Microbiological Parameters by APHA Standard Methods								
Total Coliforms	ND MPN/100mL	1.0	1	AE83795	05/16/18 18:00	05/17/18 18:00	SM9223B	
E. Coli	ND MPN/100mL	1.0	1	AE83795	05/16/18 18:00	05/17/18 18:00	SM9223B	
Volatile Organic Compounds by EPA Method 524.2								
Benzene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Bromodichloromethane	ND ug/L	1.0	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Bromoform	ND ug/L	1.0	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Carbon tetrachloride	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Chlorobenzene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Chloroform	**8.8 ug/L**	**1.0**	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Dibromochloromethane	ND ug/L	1.0	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
1,2-Dichlorobenzene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
1,4-Dichlorobenzene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
1,1-Dichloroethane	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
1,2-Dichloroethane	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
1,1-Dichloroethene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
cis-1,2-Dichloroethene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
trans-1,2-Dichloroethene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
1,2-Dichloropropane	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
1,3-Dichloropropene (total)	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Ethylbenzene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Methyl tert-butyl ether	ND ug/L	3.0	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Methylene chloride	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Styrene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
1,1,2,2-Tetrachloroethane	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Tetrachloroethene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Toluene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
1,2,4-Trichlorobenzene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
1,1,1-Trichloroethane	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
1,1,2-Trichloroethane	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Trichloroethene	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Trichlorofluoromethane	ND ug/L	5.0	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Trichlorotrifluoroethane	ND ug/L	10	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Trihalomethanes (total)	ND ug/L	1.0	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Vinyl chloride	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Xylenes (total)	ND ug/L	0.50	1	AE83965	05/22/18 11:00	05/22/18 13:16	EPA 524.2	
Surrogate: Bromofluorobenzene	*104 %*	*70-130*		*AE83965*	*05/22/18 11:00*	*05/22/18 13:16*	*EPA 524.2*	
Surrogate: Dibromofluoromethane	*90.1 %*	*70-130*		*AE83965*	*05/22/18 11:00*	*05/22/18 13:16*	*EPA 524.2*	
Surrogate: Toluene-d8	*102 %*	*70-130*		*AE83965*	*05/22/18 11:00*	*05/22/18 13:16*	*EPA 524.2*	

Alpha Analytical Laboratories Inc.
e-mail: clientservices@alpha-labs.com
Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267
Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 •Phone: (925) 828-6226 • Fax: (925) 828-6309
Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 •Phone: (916) 686-5190 • Fax: (916) 686-5192

EME Enterprises, Inc.	Project Manager: Frank Cheng	
1256 W. Winton Ave	Project: Full Title 21 Annual Testing	Reported:
Hayward, CA 94545	Project Number: [none]	06/25/18 13:42

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
EME Enterprises 5 Gallon Jug (18E1627-01)		**Sample Type: Water**			**Sampled: 05/16/18 12:00**			
Chlorinated Pesticides and PCBs by EPA Method 508								
Endrin	ND ug/L	0.10	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
HCH-gamma (Lindane)	ND ug/L	0.20	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
Heptachlor	ND ug/L	0.010	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
Heptachlor epoxide	ND ug/L	0.010	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
Hexachlorobenzene	ND ug/L	0.50	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
Hexachlorocyclopentadiene	ND ug/L	1.0	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
Methoxychlor	ND ug/L	10	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
PCB-1016	ND ug/L	0.50	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
PCB-1221	ND ug/L	0.50	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
PCB-1232	ND ug/L	0.50	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
PCB-1242	ND ug/L	0.50	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
PCB-1248	ND ug/L	0.50	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
PCB-1254	ND ug/L	0.50	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
PCB-1260	ND ug/L	0.50	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
Total PCBs	ND ug/L	0.50	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
Toxaphene	ND ug/L	1.0	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
Chlordane (tech)	ND ug/L	0.10	1	AE83873	05/21/18 06:21	05/24/18 01:21	EPA 508	
Surrogate: Dibutylchlorendate	*83.4 %*	*70-130*		*AE83873*	*05/21/18 06:21*	*05/24/18 01:21*	*EPA 508*	
Nitrogen- and Phosphorus- Pesticides by EPA Method 507								
Alachlor	ND ug/L	1.0	1	AE84196	05/29/18 09:44	05/31/18 03:31	EPA 507	
Atrazine	ND ug/L	0.50	1	AE84196	05/29/18 09:44	05/31/18 03:31	EPA 507	
Molinate	ND ug/L	2.0	1	AE84196	05/29/18 09:44	05/31/18 03:31	EPA 507	
Simazine	ND ug/L	1.0	1	AE84196	05/29/18 09:44	05/31/18 03:31	EPA 507	
Thiobencarb	ND ug/L	1.0	1	AE84196	05/29/18 09:44	05/31/18 03:31	EPA 507	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*74.2 %*	*70-130*		*AE84196*	*05/29/18 09:44*	*05/31/18 03:31*	*EPA 507*	

Alpha Analytical Laboratories Inc.
e-mail: clientservices@alpha-labs.com
Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267
Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 •Phone: (925) 828-6226 • Fax: (925) 828-6309
Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 •Phone: (916) 686-5190 • Fax: (916) 686-5192

EME Enterprises, Inc.	Project Manager: Frank Cheng	
1256 W. Winton Ave	Project: Full Title 21 Annual Testing	Reported:
Hayward, CA 94545	Project Number: [none]	06/25/18 13:42

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
EME Enterprises 5 Gallon Jug (18E1627-01)		**Sample Type: Water**			**Sampled: 05/16/18 12:00**			
Organic Analytes by EPA Method 504.1								
1,2-Dibromo-3-chloropropane	ND ug/L	0.010	1	AE83913	05/21/18 10:34	05/22/18 14:23	EPA 504.1	
1,2-Dibromoethane (EDB)	ND ug/L	0.020	1	AE83913	05/21/18 10:34	05/22/18 14:23	EPA 504.1	
Carbamates by EPA Method 531.1								
Carbofuran	ND ug/L	5.0	1	AE84134	05/25/18 06:44	05/26/18 12:25	EPA 531.1	
Oxamyl	ND ug/L	20	1	AE84134	05/25/18 06:44	05/26/18 12:25	EPA 531.1	
Glyphosate by EPA Method 547								
Glyphosate	ND ug/L	25	1	AE84076	05/24/18 06:56	05/24/18 17:45	EPA 547	
Diquat by EPA Method 549.2								
Diquat	ND ug/L	4.0	1	AE83904	05/21/18 09:31	05/23/18 16:53	EPA 549.2	
Haloacetic Acids by EPA Method 552.2								
Monobromoacetic Acid	ND ug/L	1.0	1	AE83927	05/22/18 07:00	05/26/18 14:18	EPA 552.2	
Monochloroacetic Acid	ND ug/L	2.0	1	AE83927	05/22/18 07:00	05/26/18 14:18	EPA 552.2	
Dibromoacetic Acid	ND ug/L	1.0	1	AE83927	05/22/18 07:00	05/26/18 14:18	EPA 552.2	
Dichloroacetic Acid	ND ug/L	1.0	1	AE83927	05/22/18 07:00	05/26/18 14:18	EPA 552.2	
Trichloroacetic Acid	ND ug/L	1.0	1	AE83927	05/22/18 07:00	05/26/18 14:18	EPA 552.2	
Total Haloacetic Acids (HAA5)	ND ug/L	1.0	1	AE83927	05/22/18 07:00	05/26/18 14:18	EPA 552.2	
Surrogate: 2,3-Dibromopropionic Acid	*86.9 %*	*70-130*		*AE83927*	*05/22/18 07:00*	*05/26/18 14:18*	*EPA 552.2*	
Surrogate: 2-Bromopropionic Acid	*93.3 %*	*70-130*		*AE83927*	*05/22/18 07:00*	*05/26/18 14:18*	*EPA 552.2*	

Alpha Analytical Laboratories Inc.
e-mail: clientservices@alpha-labs.com
Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267
Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 •Phone: (925) 828-6226 • Fax: (925) 828-6309
Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 •Phone: (916) 686-5190 • Fax: (916) 686-5192

EME Enterprises, Inc.	Project Manager: Frank Cheng	
1256 W. Winton Ave	Project: Full Title 21 Annual Testing	Reported:
Hayward, CA 94545	Project Number: [none]	06/25/18 13:42

Notes and Definitions

QM-01	The spike recovery for this QC sample is outside of established control limits possibly due to a sample matrix interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
T-14	Residual chlorine, dissolved oxygen, sulfite, and pH must be analyzed in the field to meet the EPA specified 15 minute hold time.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

May 30, 2018

Ceres ID: 12093

Alpha Analytical Laboratories, Inc.
208 Mason St.
Ukiah, CA 95482

The following report contains the results for the one drinking water sample received on May 22, 2018. This sample was analyzed for 2,3,7,8-TCDD by EPA method 1613B. Routine turn-around time was provided for this work.

This work was authorized under Alpha Analytical Laboratories' project # 18E1627.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date &Time
12093-001	EME Enterprises 5 Gallon Jug 18E1627-01	5/22/2018	5/16/2018 12:00

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Method Blank**	**QC Batch #:** 1790	**Date Received:** NA
	Matrix: Drinking Water	**Date Extracted:** 5/29/2018
Project ID: 18E1627	**Sample Size:** 1.000 L	**ZB-5MS Analysis:** 5/29/2018

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.59	1.49	5.00		13C-2378-TCDD	96.2	31-137	
					CRS			
					37Cl4-2378-TCDD	87.2	35-197	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 1790	**Date Extracted:** 5/29/2018
	Matrix: Drinking Water	**ZB-5MS Analysis:** 5/29/2018
Project ID: 18E1627	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	9.82	7.3-14.6	13C-2378-TCDD	92.5	25-141
			CRS		
			37Cl4-2378-TCDD	90.5	37-158

(a) Limits based on method acceptance criteria.

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Client Sample ID: EME Enterprises 5 Gallon Jug 18E1627-01		
Project ID: 18E1627	**Ceres Sample ID:** 12093-001	**Date Received:** 5/22/2018
	QC Batch #: 1790	**Date Extracted:** 5/29/2018
Date Collected: 5/16/2018	**Matrix:** Drinking Water	**ZB-5MS Analysis:** 5/29/2018
Time Collected: 12:00	**Sample Size:** 1.024 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 1.80	1.49	4.88		13C-2378-TCDD	103	31-137	
					CRS			
					37Cl4-2378-TCDD	115	42-164	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

Section VI: Sample Tracking

SUBCONTRACT ORDER

Alpha Analytical Laboratories, Inc.

18E1627

SENDING LABORATORY:	**RECEIVING LABORATORY:**
Alpha Analytical Laboratories, Inc.	Ceres Labs
208 Mason St.	4919 Windplay Dr.
Ukiah, CA 95482	El Dorado Hills, CA 95762
Phone: (707)468-0401	Phone :(916) 932-5011
Fax: (707)468-5267	Fax: (916) 932-5017
Project Manager: David S. Pingatore	**Terms: Net 30**

Analysis	Due	Expires	Comments
18E1627-01 EME Enterprises 5 Gallon Jug [Water] Sampled 05/16/18 12:00			
Dioxin 2378 TCDD DW 1613	06/01/18 12:00	05/16/19 12:00	

Containers Supplied:

1L Amber- Unpres. (AC) 1L Amber- Unpres. (AD)

☐ *Report to State*

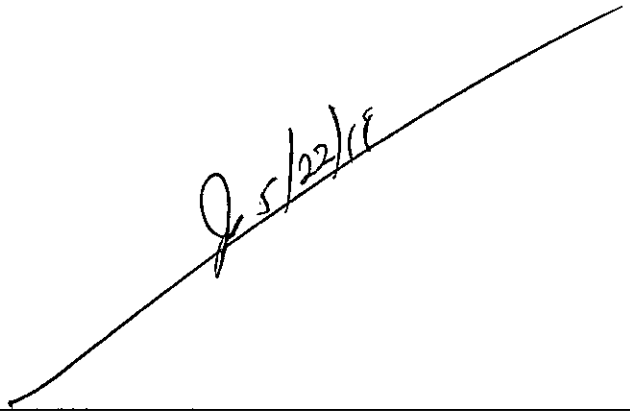
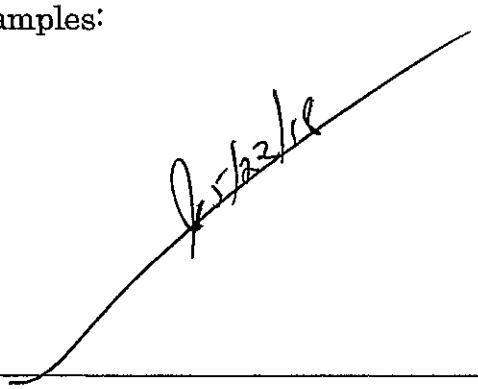
System Name: _____ **Employed by:** _____

User ID: _____ **Sampler:** _____

System Number: _____

Released By	Date	Received By	Date
[signature]	5-17-18	[signature]	5/22/18 09:51
Released By	Date	Received By	Date

Sample Receipt Check List Logged by: _____ (initials)

Ceres ID: 12093	Date/Time: 5/22/18 09:51
Client Project ID: 18E1627	Received Temp: 0.4 °C Acceptable: (Y) / N
Chain of Custody Relinquished by signed?	(Y) / N
Chain of Custody Received by signed?	(Y) / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	(NA)
Unlabeled / Illegible Samples	Y / (N)
Proper Containers:	(Y) / N
Preservation Acceptable (Chemical or Temperature)?	(Y) / N
Drinking Water, Sodium Thiosulfate present?	Y / (N) / NA
Residual Cl?	Y / (N)
Aqueous sample pH: 7	
List COC discrepancies: 	
List Damaged Samples: 	

Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*****	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1805A93

Report Created for: Alpha Analytical Laboratories

262 Rickenbacker Circle
Livermore, CA 94551

Project Contact: David S. Pingatore
Project P.O.:
Project: 18E1627

Project Received: 05/18/2018

Analytical Report reviewed & approved for release on 05/25/2018 by:

Heidi Fruhlinger
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Alpha Analytical Laboratories
Project: 18E1627
WorkOrder: 1805A93

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Alpha Analytical Laboratories	**WorkOrder:**	1805A93
Date Received:	5/18/18 12:00	**Extraction Method:**	SW8151A
Date Prepared:	5/22/18	**Analytical Method:**	E515.3
Project:	18E1627	**Unit:**	µg/L

Chlorinated Herbicides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EME Enterprises 5 Gallon Jug	1805A93-001A	Water	05/16/2018 12:00	GC15A 05241836.D	158648

Analytes	Result	RL	DF	Date Analyzed
Bentazon	ND	1.0	1	05/25/2018 09:45
2,4-D (Dichlorophenoxyacetic acid)	ND	1.0	1	05/25/2018 09:45
Dalapon	ND	1.0	1	05/25/2018 09:45
Dinoseb (DNBP)	ND	1.0	1	05/25/2018 09:45
Pentachlorophenol (PCP)	ND	0.20	1	05/25/2018 09:45
Picloram	ND	1.0	1	05/25/2018 09:45
2,4,5-TP (Silvex)	ND	1.0	1	05/25/2018 09:45

Surrogates	REC (%)	Limits	
DCAA	94	70-130	05/25/2018 09:45

Analyst(s): DP

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Alpha Analytical Laboratories	**WorkOrder:**	1805A93
Date Received:	5/18/18 12:00	**Extraction Method:**	E525.2
Date Prepared:	5/18/18	**Analytical Method:**	E525.2
Project:	18E1627	**Unit:**	µg/L

Semi-Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EME Enterprises 5 Gallon Jug	**1805A93-001B**	**Water**	**05/16/2018 12:00**	**GC35 05211824.D**	**158497**

Analytes	Result	RL	DF	Date Analyzed
Benzo (a) pyrene	ND	0.041	1	05/21/2018 19:09
Bis (2-ethylhexyl) Adipate	ND	0.21	1	05/21/2018 19:09
Bis (2-ethylhexyl) Phthalate	ND	0.21	1	05/21/2018 19:09

Surrogates	REC (%)	Limits	
Triphenyl phosphate	124	70-130	05/21/2018 19:09

Analyst(s): REB

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Alpha Analytical Laboratories	**WorkOrder:**	1805A93
Date Received:	5/18/18 12:00	**Extraction Method:**	E548.1
Date Prepared:	5/21/18	**Analytical Method:**	E548.1
Project:	18E1627	**Unit:**	µg/L

Endothall by GC-MS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
EME Enterprises 5 Gallon Jug	**1805A93-001C**	**Water**	**05/16/2018 12:00**	**GC8 05211818.D**	**158586**

Analytes	Result	RL	DF	Date Analyzed
Endothall	ND	20	1	05/22/2018 01:06

Analyst(s): OA

CA ELAP 1644

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Alpha Analytical Laboratories	**WorkOrder:**	1805A93
Date Prepared:	5/22/18	**BatchID:**	158648
Date Analyzed:	5/25/18	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	E515.3
Matrix:	Water	**Unit:**	µg/L
Project:	18E1627	**Sample ID:**	MB/LCS/LCSD-158648

QC Summary Report for E515.3

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Acifluorfen	ND	1.0	-	-	-
Bentazon	ND	1.0	-	-	-
Chloramben	ND	1.0	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	1.0	-	-	-
2,4-DB	ND	1.0	-	-	-
Dalapon	ND	1.0	-	-	-
DCPA (mono & diacid)	ND	0.20	-	-	-
Dicamba	ND	1.0	-	-	-
3,5-Dichlorobenzoic Acid	ND	1.0	-	-	-
Dichloroprop	ND	1.0	-	-	-
Dinoseb (DNBP)	ND	1.0	-	-	-
MCPA	ND	100	-	-	-
MCPP	ND	100	-	-	-
4-Nitrophenol	ND	1.0	-	-	-
Pentachlorophenol (PCP)	ND	0.20	-	-	-
Picloram	ND	1.0	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	1.0	-	-	-
2,4,5-TP (Silvex)	ND	1.0	-	-	-
Surrogate Recovery					
DCAA	9.42		10	94	43-151

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
2,4-D (Dichlorophenoxyacetic acid)	10.9	9.42	10	109	94	53-178	14.3	30
2,4-DB	9.50	8.05	10	95	80	45-195	16.6	30
Dalapon	11.3	9.60	10	113	96	36-185	16.2	30
Dicamba	10.1	8.58	10	101	86	70-150	15.9	30
2,4,5-TP (Silvex)	11.8	10.1	10	118	101	61-160	15.8	30
Surrogate Recovery								
DCAA	10.2	8.95	10	102	90	43-151	13.3	30

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Alpha Analytical Laboratories	**WorkOrder:**	1805A93
Date Prepared:	5/18/18	**BatchID:**	158497
Date Analyzed:	5/18/18 - 5/21/18	**Extraction Method:**	E525.2
Instrument:	GC35	**Analytical Method:**	E525.2
Matrix:	Drinking Water	**Unit:**	µg/L
Project:	18E1627	**Sample ID:**	MB/LCS/LCSD-158497

QC Summary Report for E525.2

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Benzo (a) pyrene	ND	0.040	-	-	-
Bis (2-ethylhexyl) Adipate	ND	0.20	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	0.20	-	-	-
Surrogate Recovery					
Triphenyl phosphate	0.361		0.50	72	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Benzo (a) pyrene	0.492	0.490	0.50	98	98	70-130	0	20
Bis (2-ethylhexyl) Adipate	3.64	3.58	5	73	71	70-130	1.88	20
Bis (2-ethylhexyl) Phthalate	3.80	3.82	5	76	76	70-130	0	20
Surrogate Recovery								
Triphenyl phosphate	0.421	0.413	0.50	84	83	70-130	1.98	20

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Alpha Analytical Laboratories	**WorkOrder:**	1805A93
Date Prepared:	5/21/18	**BatchID:**	158586
Date Analyzed:	5/21/18 - 5/22/18	**Extraction Method:**	E548.1
Instrument:	GC8	**Analytical Method:**	E548.1
Matrix:	Drinking Water	**Unit:**	µg/L
Project:	18E1627	**Sample ID:**	MB/LCS-158586 1805A92-001BMS/MSD

QC Summary Report for E548.1

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Endothall	ND	115	20	100	-	115	78-127

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Endothall	NR	NR	100	ND	NR	NR	46-148	NR	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1805A93 **ClientCode: ALPU** **QuoteID: 181981**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☒ Detection Summary ☒ Dry-Weight

Report to:
David S. Pingatore
Alpha Analytical Laboratories
262 Rickenbacker Circle
Livermore, CA 94551
(707) 468-0401 FAX: (707) 468-5267

Email: sspeaks@alpha-labs.com;david@alpha-la
cc/3rd Party:
PO:
Project: 18E1627

Bill to:
Accounts Payable
Alpha Analytical Laboratories
262 Rickenbacker Circle
Livermore, CA 94551

Requested TAT: **5 days;**

Date Received: **05/18/2018**
Date Logged: **05/18/2018**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1805A93-001	EME Enterprises 5 Gallon Jug	Water	5/16/2018 12:00	☐	A	B	C									

Test Legend:

1	515_3_W	2	525_2_W	3	548_1_W	4	
5		6		7		8	
9		10		11		12	

Project Manager: Christine Askari

Prepared by: Agustina Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ALPHA ANALYTICAL LABORATORIES **Project:** 18E1627 **Work Order:** 1805A93

Client Contact: David S. Pingatore **QC Level:** LEVEL 2

Contact's Email: sspeaks@alpha-labs.com;david@alpha-labs.com; lquinn@alpha-labs.com **Comments:** **Date Logged:** 5/18/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1805A93-001A	EME Enterprises 5 Gallon Jug	Water	E515.3 (OC Acidic Herbicides) <2,4,5-TP (Silvex)_1, 2,4-D (Dichlorophenoxyacetic acid)_1, Bentazon_1, Dalapon_1, Dinoseb (DNBP)_1, Pentachlorophenol (PCP)_1, Picloram_1>	1	1LA Narrow Mouth, Unpres	☐	5/16/2018 12:00	5 days	Present	☐	
1805A93-001B	EME Enterprises 5 Gallon Jug	Water	E525.2 (SVOCs) <Benzo (a) pyrene, Bis (2-ethylhexyl) Adipate, Bis (2-ethylhexyl) Phthalate>	2	1LA w/ HCl	☐	5/16/2018 12:00	5 days	Present	☐	
1805A93-001C	EME Enterprises 5 Gallon Jug	Water	E548.1 (Endothall)	1	500mL aG, Unpres	☐	5/16/2018 12:00	5 days	Present	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

SUBCONTRACT ORDER

Alpha Analytical Laboratories, Inc.

18E1627 1805A93

SENDING LABORATORY:

Alpha Analytical Laboratories, Inc.
208 Mason St.
Ukiah, CA 95482
Phone: (707)468-0401
Fax: (707)468-5267
Project Manager: David S. Pingatore

RECEIVING LABORATORY:

McCampbell Analytical / Alpha Quote # 181981
1534 Willowpass Rd.
Pittsburg, CA 94565
Phone :(925) 252-9262
Fax: (925) 252-9269
Terms: Net 30

Analysis	Due	Expires	Comments
18E1627-01 EME Enterprises 5 Gallon Jug [Water] Sampled 05/16/18 12:00			
515.1 DDW Regulated Herbicides	06/01/18 12:00	05/30/18 12:00	
525.2 DDW SVOC Reg3	06/01/18 12:00	05/30/18 12:00	
548.1 Endothall	06/01/18 12:00	05/23/18 12:00	

Containers Supplied:
1L Amber- Unpres. (R) 1L Amber-HCl (S) 1L Amber-HCl (T) 500 mL Amber Unpres (U

☐ *Report to State*

System Name: _____ **Employed by:** _____

User ID: _____ **Sampler:** _____

System Number: _____

4.3°C 1.9 WET

Released By	Date	Received By	Date
	5-17-18		5-17-18
	5-17-18		5/17/18

RS 5/18/18
JS. 5-18-18 agustinAV. 5/18/18 1200

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Alpha Analytical Laboratories**	Date and Time Received	**5/18/2018 12:00**
Project:	**18E1627**	Date Logged:	**5/18/2018**
		Received by:	Agustina Venegas
WorkOrder №:	**1805A93** Matrix: Water	Logged by:	Agustina Venegas
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☐	No	☑		
COC agrees with Quote?	Yes	☑	No	☐	NA	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.9°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

ilac-MRA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1807

Laboratory Report

for

Alpha Analytical Laboratories Inc.
6398 Dougherty Road #35
Dublin, CA 94568
Attention: David S. Pingatore
Fax: 707-468-5267

NELAP RECOGNIZED TNI ACCREDITATION BODY
Utah ELCP CA00006

Date of Issue
06/18/2018
Vanessa Berry
EUROFINS EATON ANALYTICAL, LLC

ZIA8: Vanessa Berry
Project Manager

Report: 738801
Project: DRINKING
Group: RADS

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.
* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Mississippi**	Certified
Arizona	AZ0778	**Montana**	Cert 0035
Arkansas	Certified	**Nebraska**	Certified
California-Monrovia-ELAP	2813	**Nevada**	CA000062018
California-Colton- ELAP	2812	**New Hampshire ***	2959
Colorado	Certified	**New Jersey ***	CA 008
Connecticut	PH-0107	**New Mexico**	Certified
Delaware	CA 006	**New York ***	11320
Florida *	E871024	**North Carolina**	06701
Georgia	947	**North Dakota**	R-009
Guam	18-005R	**Oregon ***	CA200003-005
Hawaii	Certified	**Pennsylvania ***	68-565
Idaho	Certified	**Puerto Rico**	Certified
Illinois *	200033	**Rhode Island**	LAO00326
Indiana	C-CA-01	**South Carolina**	87016
Iowa - Asbestos	413	**South Dakota**	Certified
Kansas *	E-10268	**Tennessee**	TN02839
Kentucky	90107	**Texas ***	T104704230-17-13
Louisiana *	LA180000	**Utah (Primary AB) ***	CA00006
Maine	CA0006	**Vermont**	VT0114
Maryland	224	**Virginia ***	460260
Commonwealth of Northern Marianas Is.	MP0004	**Washington**	C838
Massachusetts	M-CA006	**EPA Region 5**	Certified
Michigan	9906	**Los Angeles County Sanitation Districts**	10264

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, LLC
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 866-988-3757
www.EurofinsUS.com/Eaton

ISO 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.

Refer to Certificate and scope of accreditation (AT 1807) found at: http://www.eatonanalytical.com

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
Bicarbonate Alkalinity as HCO3	SM 2320B	x	x	x
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cryptosporidium	EPA 1623	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli	(MTF/EC+MUG)	x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Giardia	EPA 1623	x		x
Glyphosate	EPA 547	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	CDC Legionella	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
NDMA	EPA 521	x		x
NDMA	TQ In house method based on EPA 521 (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphate	SM 4500P E			x
Ortho Phosphorous	SM 4500P E	x		
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Semi-VOC	EPA 625		x	x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-$S^{=}$ D		x	
Sulfite	SM 4500-SO^{3}B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2/EPA 524.3	x		x
VOC	EPA 624		x	x
VOC	EPA SW 846 8260	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x

eurofins | Eaton Analytical

Acknowledgement of Samples Received

Addr: **Alpha Analytical Laboratories Inc.**
6398 Dougherty Road #35
Dublin, CA 94568

Client ID: ALPHA-UKIAH
Folder #: 738801
Project: DRINKING
Sample Group: RADS

Attn: David S. Pingatore
Phone: 925 828 6226

Project Manager: Vanessa Berry
Phone:
PO #: 18E1627

The following samples were received from you on **May 17, 2018** at **1018**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, LLC.

Sample #	Sample ID	Sample Date
201805180086	EME Enterprises 5 Gallon Jug	05/16/2018 1200

Variable ID: 18E1627-01

@RA226 GA	@RA226_228 Combined	@RA228 GA
@RAD	Chlorine Dioxide	

Test Description

@RA226 GA -- Radium 226

@RA226_228 Combined -- Radium 226, 228 Combined

@RA228 GA -- Radium 228

@RAD -- Gross Alpha/Beta Radiation

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

SUBCONTRACT ORDER

Alpha Analytical Laboratories, Inc. 398801

18E1627

SENDING LABORATORY:

Alpha Analytical Laboratories, Inc.
208 Mason St.
Ukiah, CA 95482
Phone: (707)468-0401
Fax: (707)468-5267
Project Manager: David S. Pingatore

RECEIVING LABORATORY:

Eurofins Eaton Analytical Inc.
750 Royal Oaks Dr., Suite 100
Monrovia, CA 91016
Phone :626-568-6463
Fax: 626-568-6324
Terms: Net 30

Analysis	Due	Expires	Comments
18E1627-01 EME Enterprises 5 Gallon Jug [Water] Sampled 05/16/18 12:00			
Chlorine Dioxide	06/01/18 12:00	05/18/18 12:00	
Gross Alpha & Beta	06/01/18 12:00	11/12/18 12:00	
Radium 226 & 228 GA	06/01/18 12:00	11/12/18 12:00	

Containers Supplied:

125ml Amber (A) 1L Poly - Unpres (B) 1L Poly - HNO3 (C) 1L Poly - HNO3 (D)

☐ *Report to State*

System Name: ND Employed by:

User ID: Sampler:

System Number:

: **540605407**

Released By	5/16/18 Date	UPS Received By	5/16/18 Date
UPS Released By	5/17/18 Date	Received By	5/17/18 10:18 Date

Page 1 of 1

eurofins | Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 734851

SAMPLE TEMP RECEIVED:

SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID = 618A (Observation= 5.0 °C) (Corr.Factor 0 °C) (Final = 5.0 °C)

TYPE OF ICE: Real ____ Synthetic ✓ No Ice ____ CONDITION OF ICE: Frozen ____ Partially Frozen ✓ Thawed ____ N/A ____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: GSO

Compliance Acceptance Criteria:

1) **Chemistry:** >0, ≤ 6°C, not frozen (NELAP) (if received after 24 hrs of sample collection)

2) **Microbiology, Distribution:** < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) **Microbiology, Surface Water:** < 10°C (if received after 2 hours of sample collection)

If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)	2 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)
3 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)	4 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

4) **LT2: Giardia /Cryptosporidium:** <20 °C, not frozen (received after 8 hours of sample collection)

E. Coli: < 10°C, not frozen (if received after 2 hours of sample collection)

Giardia/Crypto: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

E.Coli: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

5) **Dioxin (1613 or 2,3,7,8 TCDD):** must be between 0-4 °C, not frozen (if received after 24 hrs of sample collection)

6) **pH Check.** Manufacturer: ____ Lot Number: ____ pH strip type: 0 - 14 or ____ Expiration Date ____ Results: ____

7) **Chlorine check.** Manufacturer: Sansafe. Lot No.: ____ Expiration Date: ____ Results ____

8) VOA Sample Headspace: No Headspace [ ] >6mm = Rejected # of vials (notify ASM): [ ] <6 mm = Potential for bubble growth # of vials (notify ASM for rush choice): [ ]

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

RECEIVED BY: SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
		Eurofins Eaton Analytical	5/17/18	10:18

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Comments

Report: 738801
Project: DRINKING
Group: RADS

Alpha Analytical Laboratories Inc.
David S. Pingatore
6398 Dougherty Road #35
Dublin, CA 94568

The Comments Report may be blank if there are no comments for this report.

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Hits

Report: 738801
Project: DRINKING
Group: RADS

Alpha Analytical Laboratories Inc.
David S. Pingatore
6398 Dougherty Road #35
Dublin, CA 94568

Samples Received on:
05/17/2018 1018

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL

SUMMARY OF POSITIVE DATA ONLY

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Data

Report: 738801
Project: DRINKING
Group: RADS

Alpha Analytical Laboratories Inc.
David S. Pingatore
6398 Dougherty Road #35
Dublin, CA 94568

Samples Received on:
05/17/2018 1018

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
EME Enterprises 5 Gallon Jug (201805180086)							**Sampled on 05/16/2018 1200**		
	Variable ID: 18E1627-01								
				CALCULATION - Radium 226, 228 Combined					
	06/14/18 12:56			(CALCULATION)	Radium 226, 228 Combined	ND	pCi/L	2	1
				EPA 900.0 - Gross Alpha/Beta Radiation					
05/25/18	05/30/18 16:54	1093439	1094044	(EPA 900.0)	Alpha, Gross	ND	pCi/L	3	1
05/25/18	05/30/18 16:54	1093439	1094044	(EPA 900.0)	Alpha, Min Detectable Activity	2.0	pCi/L		1
05/25/18	05/30/18 16:54	1093439	1094044	(EPA 900.0)	Alpha, Two Sigma Error	0.43	pCi/L		1
05/25/18	05/30/18 16:54	1093439	1094044	(EPA 900.0)	Beta, Gross	ND	pCi/L	3	1
05/25/18	05/30/18 16:54	1093439	1094044	(EPA 900.0)	Beta, Min Detectable Activity	2.3	pCi/L		1
05/25/18	05/30/18 16:54	1093439	1094044	(EPA 900.0)	Beta, Two Sigma Error	0.63	pCi/L		1
05/25/18	05/30/18 16:54	1093439	1094044	(EPA 900.0)	Gross Alpha + adjusted error	ND	pCi/L	3	1
				Ra-226 GA - Radium 226					
05/25/18	06/13/18 08:07	1093145	1097196	(Ra-226 GA)	Radium 226	ND	pCi/L	1	1
05/25/18	06/13/18 08:07	1093145	1097196	(Ra-226 GA)	Radium 226 Min Detect Activity	0.34	pCi/L		1
05/25/18	06/13/18 08:07	1093145	1097196	(Ra-226 GA)	Radium 226 Two Sigma Error	ND	pCi/L	1	1
				RA-228 GA - Radium 228					
05/25/18	06/13/18 08:07	1093410	1097198	(RA-228 GA)	Radium 228	ND	pCi/L	1	1
05/25/18	06/13/18 08:07	1093410	1097198	(RA-228 GA)	Radium 228 Min Detect Activity	0.86	pCi/L		1
05/25/18	06/13/18 08:07	1093410	1097198	(RA-228 GA)	Radium 228 Two Sigma Error	ND	pCi/L	1	1
				SM 4500-CLO2-D/HACH - Chlorine Dioxide (H3=past HT not compliant)					
	05/17/18 12:07		1091786	(SM 4500-CLO2-D/HACH)	Chlorine Dioxide (H3=past HT not compliant)	ND	mg/L	0.24	1

Rounding on totals after summation.
(c) - indicates calculated results

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory QC Summary

Report: 738801
Project: DRINKING
Group: RADS

Alpha Analytical Laboratories Inc.

Chlorine Dioxide (H3=past HT not compliant)

Analytical Batch: 1091786 — **Analysis Date: 05/17/2018**

201805180086	EME Enterprises 5 Gallon Jug	Analyzed by: F6H8

Gross Alpha/Beta Radiation

Prep Batch: 1093439 **Analytical Batch: 1094044** — **Analysis Date: 05/30/2018**

201805180086	EME Enterprises 5 Gallon Jug	Analyzed by: XI4C

Radium 226

Prep Batch: 1093145 **Analytical Batch: 1097196** — **Analysis Date: 06/13/2018**

201805180086	EME Enterprises 5 Gallon Jug	Analyzed by: XI4C

Radium 228

Prep Batch: 1093410 **Analytical Batch: 1097198** — **Analysis Date: 06/13/2018**

201805180086	EME Enterprises 5 Gallon Jug	Analyzed by: XI4C

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory QC

Report: 738801
Project: DRINKING
Group: RADS

Alpha Analytical Laboratories Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
Chlorine Dioxide (H3=past HT not compliant) by SM 4500-CLO2-D/HACH									
Analytical Batch: 1091786							**Analysis Date: 05/17/2018**		
DUP_201805161254	Chlorine Dioxide	ND		0.0400	mg/L		(0-20)	20	0.0
DUP_201805170678	Chlorine Dioxide	ND		0.0300	mg/L		(0-20)	20	**40**
LCS1	Chlorine Dioxide		2.4	2.18	mg/L	91	(85-115)		
LCS2	Chlorine Dioxide		2.4	2.16	mg/L	90	(85-115)	20	0.92
MBLK	Chlorine Dioxide			<0.24	mg/L				
MRL_CHK	Chlorine Dioxide		0.24	0.220	mg/L	92	(50-150)		
Gross Alpha/Beta Radiation by EPA 900.0									
Analytical Batch: 1094044							**Analysis Date: 05/30/2018**		
DUP1_201805220769	Alpha, Gross	ND		ND	pCi/L		(0-20)		
DUP2_201805220773	Alpha, Gross	ND		ND	pCi/L		(0-20)		
LCS1	Alpha, Gross		33	29.0	pCi/L	89	(80-120)		
LCS2	Alpha, Gross		33	29.0	pCi/L	89	(80-120)	20	0.0
MBLK	Alpha, Gross			<3	pCi/L				
MS_201805220458	Alpha, Gross	ND	33	31.5	pCi/L	97	(70-130)		
DUP1_201805220769	Beta, Gross	ND		ND	pCi/L		(0-20)		
DUP2_201805220773	Beta, Gross	ND		ND	pCi/L		(0-20)		
LCS1	Beta, Gross		31	32.0	pCi/L	102	(80-120)		
LCS2	Beta, Gross		31	29.5	pCi/L	94	(80-120)	20	8.1
MBLK	Beta, Gross			<3	pCi/L				
MS_201805220458	Beta, Gross	ND	31	31.7	pCi/L	98	(70-130)		
Radium 226 by Ra-226 GA									
Analytical Batch: 1097196							**Analysis Date: 06/10/2018**		
LCS1	Radium 226		13	12.5	pCi/L	98	(80-120)		
LCS2	Radium 226		13	12.1	pCi/L	94	(80-120)	20	3.3
MBLK	Radium 226			<1	pCi/L				
MS_201805180530	Radium 226	ND	13	12.4	pCi/L	96	(70-130)		
Radium 228 by RA-228 GA									
Analytical Batch: 1097198							**Analysis Date: 06/10/2018**		
LCS1	Radium 228		6.1	6.88	pCi/L	112	(80-120)		
LCS2	Radium 228		6.1	7.25	pCi/L	118	(80-120)	20	5.2
MBLK	Radium 228			<1	pCi/L				
MS_201805180530	Radium 228	ND	10	9.73	pCi/L	96	(70-130)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 8E18077

Project: 18E1627

Attn: David Pingatore

Client: Alpha Analytical Laboratories - Ukiah
208 Mason St
Ukiah, CA 95482

Report Date: 6/12/2018

Received Date: 5/18/2018

Turnaround Time: Normal

Phones: (925) 872-9637

Fax: (707) 468-5267

P.O. #:

Billing Code:

Dear David Pingatore,

Enclosed are the results of analyses for samples received 5/18/18 with the Chain-of-Custody document. The samples were received in good condition, at 3.3 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: 18E1627-01 EME Enterprises 5 Gallon Jug — Sampled: 05/16/18 12:00 by Client

8E18077-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 420.4 **Batch ID:** W8E1637 **Instr:** aa03		**Prepared:** 05/30/18 14:26			**Analyst:** YMT	
Phenolics	ND	0.010	mg/l	1	06/05/18 18:19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Quality Control Results

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8E1637 - General Preparation										
Blank (W8E1637-BLK1)				**Prepared: 05/30/18**	**Analyzed: 06/05/18**					
Phenolics	ND	0.010	mg/l							
LCS (W8E1637-BS1)				**Prepared: 05/30/18**	**Analyzed: 06/05/18**					
Phenolics	0.100	0.010	mg/l	0.100		100	90-110			
Matrix Spike (W8E1637-MS1)	**Source: 8E25031-01**			**Prepared: 05/30/18**	**Analyzed: 06/05/18**					
Phenolics	0.241	0.010	mg/l	0.250	0.00471	94	90-110			
Matrix Spike Dup (W8E1637-MSD1)	**Source: 8E25031-01**			**Prepared: 05/30/18**	**Analyzed: 06/05/18**					
Phenolics	0.244	0.010	mg/l	0.250	0.00471	96	90-110	1	20	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Notes and Definitions

Item	Definition
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.
An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)
All results are expressed on wet weight basis unless otherwise specified.
All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

Reviewed by:

Regina Giancola
Project Manager

DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-CA #04229CA ● NELAP-OR #4047 ● NJ-DEP #CA015

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Chain of Custody Record

Alpha Analytical Laboratories Inc.
e-mail: clientservices@alpha-labs.com

Laboratory & Corporate: 208 Mason Street, Ukiah, CA 95482
707-468-0401 Fax: 707-468-5267

Service Center & Micro Lab: 262 Rickenbacker Circle, Livermore CA 94551
925-828-6226 Fax: 925-828-6309

Reports and Invoices will be delivered by email in .pdf format.

Lab No. 18E1627 Page ____ of ____

Signature below authorizes work under terms stated on reverse side.

Report to:	Invoice to (if different):	Project Info for Report:
Company: EME Enterprises	Company:	Project ID: Full Title 21 Annual Scan
Attn: Frank Cheng	Attn:	
Address: 1256 W Winton Hayward CA 94545	Address:	Project No:
Phone/Fax: 510-732-0268 / 510-217-9688	Phone/Fax:	PO/Reference :
Email Address: fcheng@emee.net	Email Address:	

Samplers Signature: Andrew Camacho

Print: Andrew Camacho

TAT: 10 days ● RUSH: 5 days ○ 48 hours ○ Other: ___days ○

Lab Approval Required For Rush TATs

Sample Notes (lab use only)

Temperature: 1.8° deg. C

Shipment Method:

Custody Seals: Y / N

Sample Identification	Sampled: Date	Sampled: Time	Container: 40ml VOA	Container: Poly	Container: Amber	Container: Soil jar	Container: Metal core	Preservative: HCL	Preservative: HNO3	Preservative: H2SO4	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Other	Total Number of Containers	BAL - TCEC Quantitray / BAL - Gen Physical	BAL - Chloramines	TDS - 300mL	Title 21: Group 2 (Chemical) / U DW 200.8	Title 21: Group 3 (VOC)	504.1 507 508 515.1 525.2 531.1 547 548 549	HAA5 / Bromate 300.1 / Chlorite 300.1	Dioxin 2,3,7,8 TCDD - sub Ceres	Phenols BW LL 420.4 - sub Weck Labs	R226 & 228 by GA / Gross A & B - sub EEA	Chlorine Dioxide - 48 hr. / sub EEA	Sample Notes or CDPH Source Numbers:
EME Enterprises 5 Gallon Jug	05-16-18	1200		x	x							x	x			2	x											
					x							x	x			1		x										
				x	x				x		x	x	x			3			x	x								
			x					x					x			4					x								
			x	x	x			x			x	x	x			12						x							
				x	x						x		x			2							x						
					x							x	x			2								x					
					x					x			x			2									x				
				x					x				x			3										x			
					x							x	x			1											x		

Relinquished by: AC; PZ

Received by: PZ; PZ

Date: 5-16-18; 5-16-18

Time: 19:40; 22:07

CDPH Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: Mileage: Misc. Supplies: