

Work Orders: 3K29066

Report Date: 1/23/2024

Project: Water Testing

Turnaround Time: Normal

Phones: (800) 330-0120

Fax:

P.O. #:

Billing Code:

Dear Marlene Zuniga :

Enclosed are the results of analyses for samples received 11/29/2023 with the Chain-of-Custody document. The samples were received in good condition, at 9.1 °C and on ice. All analysis met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: Alkaline Water

Sampled: 11/29/23 10:30 by Client

3K29066-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1613B				Instr: GCMS15			
Batch ID: W3L0214	Preparation: EPA 3510C		Prepared: 12/05/23 08:16				Analyst: EFC
2,3,7,8-TCDD (Dioxin)	ND		5.00	pg/l	1	12/13/23	
Method: EPA 300.1				Instr: LC08_Channel2			
Batch ID: W3L1831	Preparation: _NONE (LC)		Prepared: 12/26/23 10:02				Analyst: CLL
Bromate	ND		5.0	ug/l	1	12/27/23	
Chlorate	ND		10	ug/l	1	12/27/23	
<i>Surrogate(s)</i>							
Dichloroacetate	104%		90-115	Conc: 518		12/27/23	
Method: EPA 508.1				Instr: GC08			
Batch ID: W3L0015	Preparation: EPA 508.1/SPE		Prepared: 12/01/23 09:09				Analyst: alf
4,4'-DDD	ND		0.010	ug/l	1	12/27/23	
4,4'-DDE	ND		0.010	ug/l	1	12/27/23	
4,4'-DDT	ND		0.010	ug/l	1	12/27/23	
Aldrin	ND		0.010	ug/l	1	12/27/23	
alpha-BHC	ND		0.010	ug/l	1	12/27/23	
Aroclor 1016	ND		0.10	ug/l	1	12/27/23	
Aroclor 1221	ND		0.10	ug/l	1	12/27/23	
Aroclor 1232	ND		0.10	ug/l	1	12/27/23	
Aroclor 1242	ND		0.10	ug/l	1	12/27/23	
Aroclor 1248	ND		0.10	ug/l	1	12/27/23	
Aroclor 1254	ND		0.10	ug/l	1	12/27/23	

Sample Results

(Continued)

Sample: Alkaline Water

Sampled: 11/29/23 10:30 by Client

3K29066-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 508.1				Instr: GC08			
Batch ID: W3L0015	Preparation: EPA 508.1/SPE		Prepared: 12/01/23 09:09		Analyst: alf		
Aroclor 1260	ND		0.10	ug/l	1	12/27/23	
beta-BHC	ND		0.010	ug/l	1	12/27/23	
Chlordane (tech)	ND		0.10	ug/l	1	12/27/23	
Chlorothalonil	ND		0.050	ug/l	1	12/27/23	
delta-BHC	ND		0.010	ug/l	1	12/27/23	
Dieldrin	ND		0.010	ug/l	1	12/27/23	
Endosulfan I	ND		0.010	ug/l	1	12/27/23	
Endosulfan II	ND		0.010	ug/l	1	12/27/23	
Endosulfan sulfate	ND		0.010	ug/l	1	12/27/23	
Endrin	ND		0.010	ug/l	1	12/27/23	
Endrin aldehyde	ND		0.010	ug/l	1	12/27/23	
gamma-BHC (Lindane)	ND		0.010	ug/l	1	12/27/23	
Heptachlor	ND		0.010	ug/l	1	12/27/23	
Heptachlor epoxide	ND		0.010	ug/l	1	12/27/23	
Hexachlorobenzene	ND		0.050	ug/l	1	12/27/23	
Hexachlorocyclopentadiene	ND		0.20	ug/l	1	12/27/23	
Methoxychlor	ND		0.010	ug/l	1	12/27/23	
PCBs, Total	ND		0.50	ug/l	1	12/27/23	
Propachlor	ND		0.20	ug/l	1	12/27/23	
Toxaphene	ND		1.0	ug/l	1	12/27/23	
Trifluralin	ND		0.010	ug/l	1	12/27/23	
<i>Surrogate(s)</i>							
4,4-Dibromobiphenyl	86%		70-130	Conc: 0.0810		12/27/23	
Method: EPA 515.4				Instr: GC08			
Batch ID: W3L0107	Preparation: EPA 515.4/Micro Ext. Drtz		Prepared: 12/04/23 07:59		Analyst: ajc		
2,4,5-T	ND		0.20	ug/l	1	12/19/23	
2,4,5-TP (Silvex)	ND		0.20	ug/l	1	12/19/23	
2,4-D	ND		0.40	ug/l	1	12/19/23	
2,4-DB	ND		2.0	ug/l	1	12/19/23	
3,5-Dichlorobenzoic acid	ND		1.0	ug/l	1	12/19/23	
Acifluorfen	ND		0.40	ug/l	1	12/19/23	
Bentazon	ND		2.0	ug/l	1	12/19/23	
Dalapon	ND		0.40	ug/l	1	12/19/23	
DCPA	ND		0.10	ug/l	1	12/19/23	
Dicamba	ND		0.60	ug/l	1	12/19/23	
Dichloroprop	ND		0.30	ug/l	1	12/19/23	
Dinoseb	ND		0.40	ug/l	1	12/19/23	
Pentachlorophenol	ND		0.20	ug/l	1	12/19/23	
Picloram	ND		0.60	ug/l	1	12/19/23	

Sample Results

(Continued)

Sample: Alkaline Water

Sampled: 11/29/23 10:30 by Client

3K29066-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 515.4						Instr: GC08	
Batch ID: W3L0107	Preparation: EPA 515.4/Micro Ext. Drtz		Prepared: 12/04/23 07:59			Analyst: ajc	
<i>Surrogate(s)</i>							
2,4-DCAA	98%		70-130	Conc: 9.82		12/19/23	
Method: EPA 524.3						Instr: GCMS04	
Batch ID: W3K2413	Preparation: Method (P+T)		Prepared: 11/30/23 12:21			Analyst: ADM	
1,2-Dibromo-3-chloropropane	ND		0.010	ug/l	1	11/30/23	
1,2-Dibromoethane (EDB)	ND		0.020	ug/l	1	11/30/23	
<i>Surrogate(s)</i>							
1,2-Dichlorobenzene-d4	96%		70-130	Conc: 0.384		11/30/23	
4-Bromofluorobenzene	109%		70-130	Conc: 0.435		11/30/23	
Method: EPA 525.2						Instr: GCMS16	
Batch ID: W3L0108	Preparation: EPA 525.2/SPE		Prepared: 12/04/23 07:59			Analyst: rmr	
Alachlor	ND		0.10	ug/l	1	12/07/23	
Atrazine	ND		0.10	ug/l	1	12/07/23	
Benzo (a) pyrene	ND		0.10	ug/l	1	12/07/23	
Bis(2-ethylhexyl)adipate	ND		5.0	ug/l	1	12/07/23	
Bis(2-ethylhexyl)phthalate	ND		3.0	ug/l	1	12/07/23	
Bromacil	ND		0.50	ug/l	1	12/07/23	
Butachlor	ND		0.10	ug/l	1	12/07/23	
Captan	ND		1.0	ug/l	1	12/07/23	
Chlorpropham	ND		0.10	ug/l	1	12/07/23	
Diazinon	ND		0.10	ug/l	1	12/07/23	
Dimethoate	ND		0.20	ug/l	1	12/07/23	
Diphenamid	ND		0.10	ug/l	1	12/07/23	
Disulfoton	ND		0.20	ug/l	1	12/07/23	
EPTC	ND		0.10	ug/l	1	12/07/23	
Hexachlorocyclopentadiene	ND		1.0	ug/l	1	12/07/23	
Metolachlor	ND		0.10	ug/l	1	12/07/23	
Metribuzin	ND		0.10	ug/l	1	12/07/23	
Molinate	ND		0.10	ug/l	1	12/07/23	Q-ME
Prometryn	ND		0.10	ug/l	1	12/07/23	
Simazine	ND		0.10	ug/l	1	12/07/23	
Terbacil	ND		2.0	ug/l	1	12/07/23	
Thiobencarb	ND		0.10	ug/l	1	12/07/23	
Trithion	ND		0.10	ug/l	1	12/07/23	
<i>Surrogate(s)</i>							
1,3-Dimethyl-2-nitrobenzene	101%		70-130	Conc: 4.82		12/07/23	
Perylene-d12	101%		50-120	Conc: 4.81		12/07/23	
Triphenyl phosphate	126%		70-130	Conc: 5.99		12/07/23	

Sample Results

(Continued)

Sample: Alkaline Water

Sampled: 11/29/23 10:30 by Client

3K29066-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 531.2							
Batch ID: W3L0584		Preparation: _NONE (LC)		Instr: LC11		Analyst: cam	
Prepared: 12/08/23 08:41							
3-Hydroxycarbofuran	ND		2.0	ug/l	1	12/13/23	
Aldicarb	ND		2.0	ug/l	1	12/13/23	
Aldicarb sulfone	ND		2.0	ug/l	1	12/13/23	
Aldicarb sulfoxide	ND		2.0	ug/l	1	12/13/23	
Carbaryl	ND		2.0	ug/l	1	12/13/23	
Carbofuran	ND		2.0	ug/l	1	12/13/23	
Methiocarb	ND		2.0	ug/l	1	12/13/23	
Methomyl	ND		2.0	ug/l	1	12/13/23	
Oxamyl	ND		2.0	ug/l	1	12/13/23	
Propoxur (Baygon)	ND		2.0	ug/l	1	12/13/23	
<i>Surrogate(s)</i>							
BDMC	101%		70-130	Conc: 10.1		12/13/23	
Method: EPA 547							
Batch ID: W3L0695		Preparation: _NONE (LC)		Instr: LC11		Analyst: cam	
Prepared: 12/11/23 08:39							
Glyphosate	ND		5.0	ug/l	1	12/11/23	
Method: EPA 548.1							
Batch ID: W3L0012		Preparation: EPA 548.1/SPE		Instr: GCMS06		Analyst: rmr	
Prepared: 12/01/23 08:49							
Endothall	ND		45	ug/l	1	12/05/23	
Method: EPA 549.2							
Batch ID: W3K2330		Preparation: EPA 549.2/SPE		Instr: LC10		Analyst: cam	
Prepared: 11/30/23 07:45							
Diquat	ND		4.0	ug/l	1	12/11/23	
Method: EPA 552.3							
Batch ID: [CALC]		Preparation: [CALC]		Instr: [CALC]		Analyst: alf	
Prepared: 12/01/23 08:41							
HAA5, Total	0.0			ug/l		12/08/23	
Method: EPA 552.3							
Batch ID: W3L0010		Preparation: EPA 552.3/Micro Ext. Drtz		Instr: GC05		Analyst: alf	
Prepared: 12/01/23 08:41							
Dibromoacetic acid (dbaa)	ND		1.0	ug/l	1	12/08/23	
Dichloroacetic acid (dcaa)	ND		1.0	ug/l	1	12/08/23	
Monobromoacetic acid (mbaa)	ND		1.0	ug/l	1	12/08/23	
Monochloroacetic acid (mcaa)	ND		2.0	ug/l	1	12/08/23	
Trichloroacetic acid (tcaa)	ND		1.0	ug/l	1	12/08/23	
<i>Surrogate(s)</i>							
2-Bromobutyric acid	98%		70-130	Conc: 9.76		12/08/23	
Method: SM 4500Cl-G							
Batch ID: W3K2317		Preparation: _NONE (WETCHEM)		Instr: UVVIS04		Analyst: UVVIS04	
Prepared: 11/29/23 16:26							
Chlorine Residual, Free	ND		0.050	mg/l	1	11/30/23	*
Chlorine Residual, Total	ND		0.050	mg/l	1	11/30/23 10:59	*
Dichloramine	ND		0.050	mg/l	1	11/30/23	*
Monochloramine	ND		0.050	mg/l	1	11/30/23	*

Sample Results

(Continued)

Sample: Alkaline Water

Sampled: 11/29/23 10:30 by Client

3K29066-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: SM 4500CI-G							
Batch ID: W3K2317							
Preparation: _NONE (WETCHEM)							
Instr: UVVIS04							
Prepared: 11/29/23 16:26							Analyst: UVVIS04
Method: SM 4500CIO2-D							
Batch ID: W3K2317							
Preparation: _NONE (WETCHEM)							
Instr: UVVIS04							
Prepared: 11/29/23 16:26							Analyst: UVVIS04
Chlorine Dioxide as ClO2	ND		0.095	mg/l	1	11/30/23	*
Method: SM 9223B							
Batch ID: W3K2393							
Preparation: _NONE (MICROBIOLOGY)							
Instr: INC12							
Prepared: 11/29/23 17:11							Analyst: slh
E. coli	ND		1.0	MPN/100mL	1	11/30/23	
Total Coliform	ND		1.0	MPN/100mL	1	11/30/23	