Well	Well_ID	Latt	Long	Date	Temp
Waihee Tunnel	3-2651-002	21.446365	-157.858343	1/23/2017	19.820000
Kahaluu Well	3-2651-003	21.435312	-157.853624	1/25/2017	20.3
Waihee Inclined Wells	3-2652-001	21.441911	-157.867515	1/23/2017	19.3
CWRM Halawa Deep Monitoring Well	3-2253-003	21.374887	-157.895819	11/16/2016	22.3
RHMW06	3-2253-004	21.373976	-157.894630	11/14/2016	25.2
RHMW07	3-2253-005	21.373003	-157.897820	11/14/2016	25.4
RHMW08	3-2253-007	21.371026	-157.899445	11/15/2016	25.3
RHMW09	3-2253-008	21.369027	-157.897724	4/4/2017	23.2
RHMW10	3-2253-009	21.370540	-157.894231	10/25/2017	23.3
RHMW11-05	3-2253-011	21.373903	-157.897282	3/28/2018	21.4
RHMW14-05	3-2253-014	21.372480	-157.899293	10/23/2019	23.1
RHMW15-05	3-2253-015	21.369862	-157.902393	11/6/2019	23.4
RHMW13-05	3-2253-XXX	21.375270	-157.891861	3/10/2020	19.9
Red Hill Shaft Monitoring Point	3-2254-001	21.370434	-157.905632	11/14/2016	21.5
OWDFMW01	OWDFMW01	21.370715	-157.907202	11/15/2016	25.9
RHMW01	RHMW01	21.370467	-157.898230	11/14/2016	23.3
RHMW02	RHMW02	21.371097	-157.896493	11/15/2016	23.1
RHMW03	RHMW03	21.372076	-157.894287	11/15/2016	25.4
RHMW04	RHMW04	21.375129	-157.891477	11/14/2016	23.2
RHMW05	RHMW05	21.369497	-157.900527	11/15/2016	22.9
Honolulu Int'l Country Club Well	3-2154-001	21.354145	-157.901403	3/13/2017	20.9
Ford Island Saltwater Well	3-2157-005	21.364749	-157.963627	1/26/2017	21.7
RHMW06	3-2253-004	21.373976	-157.894630	7/19/2016	22.6
RHMW07	3-2253-005	21.373003	-157.897820	7/19/2016	22.9
RHMW08	3-2253-007	21.371026	-157.899445	1/11/2017	24.0
Red Hill Shaft Monitoring Point	3-2254-001	21.370434	-157.905632	1/9/2017	21.8
Lualualei Deepwell	3-2607-001	21.445589	-158.118623	1/19/2017	24.0
Lualualei Tunnel	3-2808-002	21.477823	-158.132232	1/19/2017	24.1
OWDFMW01	OWDFMW01	21.370715	-157.907202	7/19/2016	25.8
PVT MW1	PVT MW1	21.390662	-158.147569	1/3/2017	28.4
PVT MW2	PVT MW2	21.393397	-158.150765	1/3/2017	27.9
PVT MW3	PVT MW3	21.396911	-158.147031	1/3/2017	29.9
PVT MW4	PVT MW4	21.403622	-158.144879	1/3/2017	26.8
RHMW03	RHMW03	21.372076	-157.894287	1/12/2017	27.4
RHMW04	RHMW04	21.375129	-157.891477	7/19/2016	22.8
RHMW05	RHMW05	21.369497	-157.900527	2/7/2017	23.8
Wahiawa I P1	3-2901-012	21.492776	-158.025843	8/25/2014	22.0
Wahiawa II P2	3-2902-002	21.493371	-158.035010	8/25/2014	22.6
Waialua P2	3-3405-002	21.571677	-158.095851	8/26/2014	22.3
Haleiwa P2	3-3405-004	21.577532	-158.092792	8/26/2014	22.0
Kapahulu	3-1749-019	21.288883	-157.816158	10/15/2000	21.3
Wilder Avenue Well 2	3-1849-016	21.300342	-157.826969	10/15/2000	21.7
Queens Hospital	3-1851-054	21.309018	-157.853662	10/15/2000	21.3
Kalihi Pump Station	3-1952-006	21.328380	-157.871407	10/15/2000	21.0
Makakilo	3-2004-004	21.342692	-158.102518	10/15/2000	23.5
Moanalua 3	3-2153-012	21.352211	-157.895757	10/15/2000	21.4

DISS_O2	SPEC_COND	pH	Alkalinity	Chloride	Sulfate	Bromide
9.210000	138	-9999.0	-9999.0	12.8	2.1	-8888.00
9.0	191	-9999.0	-9999.0	18.8	3.3	-8888.00
9.0	86	-9999.0	-9999.0	15.8	6.0	-8888.00
0.7	479	6.6	50.0	84.7	27.6	0.37
3.3	997	6.8	108.0	365.0	81.8	1.30
0.9	1790	7.8	119.0	411.0	67.9	1.30
4.4	871	8.5	50.8	169.0	58.2	0.63
8.4	320	7.5	67.5	52.3	9.9	0.37
7.5	300	7.5	68.7	40.0	7.0	0.29
6.6	442	6.3	111.0	61.3	9.8	0.33
1.0	340	6.6	59.0	49.8	9.4	0.18
0.4	330	6.7	66.5	57.3	3.8	0.19
4.8	420	8.0	84.8	65.8	11.7	0.40
6.3	438	7.6	67.4	72.3	18.5	0.36
3.3	4140	8.3	161.0	1070.0	368.0	3.20
6.0	366	7.2	94.4	39.4	4.5	0.26
0.0	519	6.5	196.0	39.0	1.2	0.26
0.3	792	6.6	285.0	47.2	45.7	0.29
4.8	418	7.9	75.2	72.8	9.8	0.35
5.3	851	7.8	98.1	157.0	46.5	0.62
9.9	354	8.0	50.0	54.0	11.6	0.21
5.1	48065	7.0	76.0	18708.0	2578.0	64.00
6.3	1568	6.9	100.0	416.0	94.6	1.32
2.6	1869	7.3	97.0	431.0	72.6	1.36
4.7	1001	8.2	56.0	169.0	79.0	0.58
8.6	450	7.5	54.0	89.0	15.2	0.32
9.8	426	7.2	87.0	56.0	10.9	0.23
13.5	223	7.8	48.0	26.0	4.9	0.10
4.0	4042	8.0	166.0	1059.0	321.1	3.01
-9999.0	-9999	7.0	205.0	2083.0	348.1	7.01
-9999.0	-9999	6.8	254.0	412.0	152.7	1.66
-9999.0	-9999	6.7	293.0	2377.0	510.7	7.92
-9999.0	-9999	6.2	276.0	2005.0	413.9	6.86
3.0	802	6.8	252.0	47.0	44.2	0.20
8.6	437	6.5	56.0	74.0	10.9	0.26
8.3	844	7.9	90.0	148.0	46.2	0.51
8.0	193	6.3	59.6	18.8	4.7	0.11
7.6	191	6.6	56.2	17.3	6.2	0.10
8.6	331	6.8	62.2	43.0	14.0	0.21
8.6	327	7.0	61.9	43.2	13.7	0.21
7.7	294	8.2	55.0	50.7	7.7	0.18
8.5	279	8.2	65.0	40.9	5.7	0.15
8.2	297	8.0	73.0	41.4	7.2	0.15
8.6	416	7.8	59.0	80.9	12.3	0.28
7.3	1150	6.6	99.0	263.0	39.1	0.83
8.6	544	7.7	51.0	123.0	15.8	0.42

Fluoride	Nitrate	Sodium	Potassium	Magnesium	Calcium	Silica
0.02	0.2	11.0	1.00	4.7	7.7	32.6
0.02	0.2	19.0	1.00	9.1	14.7	34.7
0.02	0.1	15.0	1.00	7.4	13.0	27.5
-8888.00	0.3	57.1	0.61	17.5	12.9	67.0
0.23	0.7	165.0	2.33	54.9	35.1	72.1
0.19	0.9	150.0	3.04	71.9	55.5	78.0
0.35	0.5	109.0	5.68	12.0	32.7	36.3
0.10	0.6	35.9	1.96	12.0	12.9	47.2
0.09	0.4	32.7	1.73	9.4	9.7	41.3
0.13	0.4	41.5	1.15	18.9	19.5	37.9
-8888.00	0.3	39.0	0.62	14.7	10.3	52.7
-8888.00	0.0	39.6	1.60	10.6	13.8	13.7
0.87	0.1	47.5	3.38	14.9	21.9	9.0
0.24	0.7	42.2	2.23	15.4	15.8	51.9
-8888.00	1.8	350.0	7.64	220.0	115.0	64.4
0.28	0.2	35.2	1.90	9.9	11.5	65.9
0.78	0.1	53.6	2.44	24.8	12.6	83.7
0.25	1.7	104.0	3.70	33.4	25.0	87.4
0.16	0.5	34.7	1.96	18.6	16.9	57.2
0.39	1.0	136.0	4.93	13.2	7.9	82.6
0.04	0.7	33.4	2.04	11.9	13.4	46.0
-9999.00	-9999.0	9572.0	155.00	1371.0	824.0	35.2
0.06	0.6	198.9	2.36	74.2	45.2	74.3
0.06	0.9	162.3	3.02	82.6	61.2	76.2
0.23	0.5	108.6	5.55	18.9	32.4	45.6
0.07	0.0	41.8	2.52	15.7	16.7	49.1
0.24	1.7	50.1	3.21	14.7	16.8	97.3
0.06	0.9	21.2	2.98	7.5	11.2	56.5
0.05	1.6	368.5	7.25	244.9	106.1	51.4
0.17	12.8	1111.9	32.88	221.4	180.1	90.2
0.18	6.6	266.3	11.65	60.6	142.3	46.3
0.24	27.4	1311.8	41.24	245.4	240.8	101.6
0.15	20.2	1119.1	25.28	214.8	210.1	52.2
0.18	1.8	98.2	3.25	32.2	24.5	86.2
0.06	0.6	33.8	2.26	18.8	18.6	57.1
0.33	1.0	138.8	4.86	12.8	7.8	86.5
0.08	1.4	17.0	1.38	8.4	10.4	80.3
0.08	1.2	16.8	1.44	7.6	9.5	80.6
0.14	3.8	43.9	2.45	7.8	8.1	74.8
0.14	3.2	43.7	2.15	7.8	8.1	69.3
-9999.00	0.3	36.1	2.47	8.7	5.9	33.0
-9999.00	0.6	40.2	4.04	6.6	4.8	34.4
-9999.00	0.7	36.4	3.39	9.0	8.2	39.8
-9999.00	0.6	40.2	2.65	15.2	13.9	39.0
0.10	2.7	108.0	7.03	42.3	39.9	71.8
-9999.00	0.4	45.3	2.63	20.7	22.0	41.2

d18O_H2O	d2H_H2O	Study
-3.2	-9.6	Dores, 2018
-3.3	-10.1	Dores, 2018
-3.2	-9.5	Dores, 2018
-2.8	-12.5	Navy LTM Data
-3.0	-12.9	Navy LTM Data
-3.0	-13.2	Navy LTM Data
-3.6	-16.7	Navy LTM Data
-3.0	-10.6	Navy LTM Data
-2.9	-10.0	Navy LTM Data
-2.9	-11.7	Navy LTM Data
-9999.0	-9999.0	Navy LTM Data
-3.3	-13.3	Navy LTM Data
-3.1	-12.2	Navy LTM Data
-3.0	-10.4	Navy LTM Data
-3.5	-18.4	Navy LTM Data
-9999.0	-9999.0	Navy LTM Data
-3.2	-13.3	Navy LTM Data
-3.7	-17.9	Navy LTM Data
-3.2	-12.1	Navy LTM Data
-3.2	-12.0	Navy LTM Data
-3.2	-10.4	PlayFairway
0.0	0.8	PlayFairway
-3.0	-12.9	PlayFairway
-3.0	-13.2	PlayFairway
-3.6	-16.7	PlayFairway
-3.2	-10.3	PlayFairway
-4.7	-24.1	PlayFairway
-4.5	-19.7	PlayFairway
-3.4	-20.1	PlayFairway
-4.2	-23.9	PlayFairway
-4.3	-21.9	PlayFairway
-4.0	-21.3	PlayFairway
-3.6	-18.1	PlayFairway
-3.7	-17.9	PlayFairway
-3.0	-11.6	PlayFairway
-3.3	-13.0	PlayFairway
-2.9	-11.4	USGS_NC-Oahu Pharm Study
-3.0	-11.0	USGS_NC-Oahu Pharm Study
-3.5	-16.4	USGS_NC-Oahu Pharm Study
-3.4	-16.4	USGS_NC-Oahu Pharm Study
-3.0	-11.1	USGS-NAWQA
-3.1	-10.2	USGS-NAWQA
-3.0	-9.8	USGS-NAWQA
-3.2	-10.3	USGS-NAWQA
-4.3	-22.5	USGS-NAWQA
-3.2	-10.1	USGS-NAWQA

Comments
None
None
None
ERH127; O&H isotope sample collected 4/23/20
ERH120; O&H isotope data collected 7/19/16 by UH-PlayFairway
ERH121; O&H isotope data collected 7/19/16 by UH-PlayFairway
ERH122; O&H isotope samples collected on 1/11/17 by UH-PlayFairway
ERH307; O&H Isotopes samples collected on 4/21/20 by the Navy
ERH433; O&H isotope sample collected 4/21/20 by the Navy
ERH581; O&H Isotope sample collected on 5/1/18 by DOH
ERH955
ERH963; O&H Isotope sample collected on 4/22/20 by the Navy
ERH1031
ERH115; O&H isotope sample collected 4/23/20
ERH118S; O&H isotope sample collected 4/22/20
ERH117
ERH124; O&H isotope sample collected 4/22/20
ERH125; O&H isotope samples collected by UH-PlayFairway 1/12/17
ERH128; O&H isotope sample collected 4/22/20
ERH126; O&H isotope sample collected 4/21/20
Lualualei PVT Landfill
None
UH Sample
UH Sample
UH Sample
UH Sample
None
None
UH Sample
Lualualei PVT Landfill
Lualualei PVT Landfill
Lualualei PVT Landfill
Lualualei PVT Landfill
UH Sample
UH Sample
UH Sample
None
None
None
None
None
None
None
None
None
None

Waipahu Deep Monitor Well	3-2300-018	21.391183	-158.002305	10/15/2000	23.6
Honouliuli I-1	3-2303-001	21.387494	-158.051680	10/15/2000	22.4
Honouliuli II-1	3-2303-003	21.391423	-158.059458	10/15/2000	22.4
Honouliuli Deep Monitor	3-2303-007	21.383893	-158.053902	10/15/2000	24.9
Aiea 2	3-2355-007	21.383468	-157.923495	10/15/2000	20.9
Kalauao P4	3-2355-010	21.390826	-157.929740	10/15/2000	20.3
Waipahu II-1	3-2400-005	21.401086	-158.011683	10/15/2000	22.5
Royal Kunia A-2	3-2401-003	21.398875	-158.019733	10/15/2000	24.3
Kunia II P3	3-2402-003	21.398621	-158.038344	10/15/2000	22.2
Waipio Heights P-1	3-2459-020	21.404418	-157.994739	10/15/2000	21.9
Waipio Hts II-1	3-2500-001	21.420022	-158.005573	10/15/2000	22.2
Pearl City III	3-2557-003	21.428035	-157.956678	10/15/2000	20.6
Mililani III-7	3-2600-003	21.446695	-158.009330	10/15/2000	22.3
Kipapa ST01MW07	3-2600-008	21.441158	-158.005015	10/15/2000	24.3
Hawaii Country Club Well	3-2603-001	21.435049	-158.057790	10/15/2000	22.1
Waipio Hts III-2	3-2659-002	21.440831	-157.995571	10/15/2000	21.1
Waikaka ST12MW04	3-2702-005	21.457766	-158.033343	10/15/2000	23.1
Mililani I P1	3-2800-001	21.464430	-157.998903	10/15/2000	22.1
Schofield MW2-6	3-2802-001	21.470557	-158.042515	10/15/2000	22.5
Del Monte Pump 4	3-2803-007	21.474158	-158.056129	10/15/2000	23.0
Mililani IV-10	3-2858-002	21.478047	-157.965288	10/15/2000	20.9
Schofield Batt	3-2901-006	21.488359	-158.027514	10/15/2000	21.0
Schofield MW2-3	3-2902-003	21.481411	-158.044741	10/15/2000	23.8
Schofield MW2-2	3-2903-001	21.496633	-158.052519	10/15/2000	24.4
Schofield MW2-5	3-2959-001	21.489744	-157.986963	10/15/2000	22.3
NAVFAC Wahiawa Deep	3-3100-002	21.516935	-158.001681	10/15/2000	21.0
Thompson Corner 2	3-3307-021	21.558314	-158.114177	10/15/2000	24.9
Helemano Cap 1	3-3406-014	21.579756	-158.103074	10/15/2000	24.1
Dillingham Airfield	3-3412-002	21.576581	-158.207322	10/15/2000	22.2
N Lower Anahulu	3-3505-025	21.592739	-158.081685	10/15/2000	23.5
Opaeula Obs	3-3505-026	21.583359	-158.084458	10/15/2000	25.5
Waialee I	3-4101-007	21.686707	-158.020843	10/15/2000	20.6
Kamehameha Sch B	3-2051-002	21.341713	-157.852511	10/15/2000	20.8

7.6	547	7.2	36.0	129.0	17.9	0.49
7.3	736	6.7	75.0	165.0	23.1	0.58
7.7	801	6.7	79.0	176.0	25.4	0.26
6.8	721	6.8	95.0	140.0	25.0	0.57
8.7	436	7.2	56.0	86.6	13.6	0.31
9.0	252	7.4	58.0	36.5	5.4	0.14
7.3	403	6.7	85.0	46.7	19.7	0.41
6.8	900	6.8	80.0	174.0	46.0	0.83
7.6	413	6.7	78.0	49.8	24.1	0.29
7.9	375	6.7	74.0	55.4	13.6	0.24
7.7	255	6.7	58.0	29.0	12.0	0.20
8.9	163	7.4	52.0	15.3	2.7	0.08
7.6	172	6.6	42.0	17.0	6.7	0.10
6.7	229	6.5	60.0	20.9	8.8	0.13
7.6	333	6.8	65.0	43.5	16.3	0.23
8.4	184	6.9	51.0	16.3	5.4	0.09
6.1	354	6.4	85.0	35.5	19.8	0.18
7.7	142	6.8	40.0	13.8	2.8	0.07
6.3	235	6.6	66.0	21.0	13.9	0.14
7.2	187	7.2	55.0	17.3	5.7	0.08
8.2	165	7.8	48.0	15.2	2.0	0.06
7.3	166	6.8	50.0	16.2	3.2	0.08
4.7	206	6.4	55.0	18.6	12.2	0.14
6.6	188	6.5	48.0	18.0	12.1	0.09
6.5	155	6.8	42.0	17.5	3.9	0.08
7.4	176	6.8	54.0	17.6	2.7	0.08
6.8	381	6.8	96.0	35.2	12.8	0.19
7.1	446	8.0	76.0	69.0	20.1	0.29
8.4	558	7.6	65.0	121.0	16.5	0.31
7.6	474	6.9	50.0	95.3	17.9	0.40
7.6	306	6.7	60.0	36.9	11.9	0.20
8.1	286	7.2	54.0	49.8	7.6	0.19
8.9	278	8.2	66.0	41.1	6.2	0.16

-9999.00	0.6	54.7	2.59	17.2	20.0	53.5
0.20	1.1	67.7	4.17	24.7	26.9	73.7
-9999.00	1.4	71.4	4.54	26.4	31.9	70.2
0.10	1.9	63.2	4.36	26.7	30.3	76.4
-9999.00	0.8	41.1	2.56	15.5	16.4	47.9
-9999.00	0.5	21.2	1.57	9.4	11.4	42.6
0.10	5.1	49.4	2.20	12.7	11.1	70.9
0.30	3.7	142.0	4.01	15.2	9.5	77.1
0.30	5.2	54.0	2.76	12.2	9.4	76.3
-9999.00	2.5	53.9	2.20	7.6	6.9	60.6
0.10	2.2	32.1	1.52	7.9	6.1	69.2
-9999.00	0.3	13.2	0.88	6.9	8.1	42.7
-9999.00	1.8	16.8	1.49	5.6	6.8	69.6
-9999.00	1.3	19.3	0.94	11.0	8.9	54.4
0.10	3.5	26.4	2.10	13.4	14.5	76.3
-9999.00	1.6	17.9	1.37	6.3	7.1	56.5
0.10	2.8	35.9	2.06	13.3	12.7	74.8
-9999.00	0.8	12.4	1.20	5.7	6.8	65.2
0.10	0.8	22.0	1.54	8.5	10.3	75.9
-9999.00	1.1	16.8	1.35	7.0	8.3	69.9
-9999.00	0.4	12.4	0.79	6.8	8.6	42.4
-9999.00	0.7	12.8	1.02	6.7	8.1	68.2
0.10	0.7	25.0	1.47	5.6	7.2	79.3
0.20	0.2	25.8	1.30	4.2	6.0	82.9
0.10	0.5	12.3	0.60	6.8	7.5	60.1
-9999.00	1.0	13.5	1.18	8.0	8.9	71.3
0.10	5.2	61.3	1.89	7.0	6.4	68.5
0.10	2.8	50.1	2.71	10.0	19.2	66.9
-9999.00	0.7	69.3	4.44	14.3	14.1	51.7
0.10	2.5	62.7	3.19	11.3	9.5	66.2
0.10	4.2	40.2	2.69	7.3	7.2	67.7
-9999.00	0.5	29.4	1.41	9.5	10.0	47.6
-9999.00	0.5	27.4	1.7	10.1	11.5	42.1

-3.1	-12.3	USGS-NAWQA
-3.6	-16.2	USGS-NAWQA
-3.9	-19.7	USGS-NAWQA
-3.8	-17.7	USGS-NAWQA
-3.1	-12.4	USGS-NAWQA
-3.1	-9.5	USGS-NAWQA
-3.3	-13.7	USGS-NAWQA
-3.1	-14.8	USGS-NAWQA
-3.7	-16.9	USGS-NAWQA
-3.2	-11.9	USGS-NAWQA
-3.2	-13.5	USGS-NAWQA
-3.0	-8.9	USGS-NAWQA
-3.1	-11.3	USGS-NAWQA
-3.0	-13.2	USGS-NAWQA
-4.1	-21.7	USGS-NAWQA
-3.1	-12.2	USGS-NAWQA
-3.6	-18.6	USGS-NAWQA
-2.9	-12.0	USGS-NAWQA
-3.2	-13.3	USGS-NAWQA
-3.2	-11.9	USGS-NAWQA
-3.1	-11.8	USGS-NAWQA
-2.9	-9.0	USGS-NAWQA
-2.7	-9.7	USGS-NAWQA
-2.9	-12.6	USGS-NAWQA
-2.6	-10.0	USGS-NAWQA
-3.1	-13.4	USGS-NAWQA
-2.9	-11.8	USGS-NAWQA
-3.5	-17.4	USGS-NAWQA
-4.2	-18.8	USGS-NAWQA
-3.3	-14.5	USGS-NAWQA
-3.2	-14.4	USGS-NAWQA
-3.3	-13.8	USGS-NAWQA
-3.2	-12.0	USGS-NAWQA

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Study
Dores, 2018

Navy LTM Data
PlayFairway
USGS_NC-Oahu Pharm Study

USGS_NC-Oahu Pharm Study

USGS_NC-Oahu Pharm Study

USGS_NC-Oahu Pharm Study

USGS-NAWQA

Richardson et al., 2016

Amato et al, 2019

NOTE:

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https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=212945158014302

https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=212936158020601

https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=213427158055501

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Richardson, C.M. H. Dulai, R.B. Whittier. 2017. Sources and spatial variability of groundwater-delivered nutrients in Maunalua Bay. O'ahu, Hawai'i. Journal of Hydrology – Regional Studies. 11. 178-193. https://www.sciencedirect.com/science/article/pii/S2214581815001214
https://www.sciencedirect.com/science/article/pii/S2214581815001214

Amato, D.W., Whittier, R.B., and Dulai, H. 2020. Seaweed Bioassays Detect Modeled Loading of Wastewater-Derived Nitrogen in Coastal Waters of O'ahu, Hawai'i. Marine Pollution Bulletin. 150. https://doi.org/10.1016/j.marpolbul.2019.110668

-9999 indicates no data; -8888 indicates detected below the reporting limit

Comments

Isotope data collected as noted in comments

Wahiawa I P1

Wahiawa II P2

Waialua P2

Haleiwa P2

WELL	Sample_Nam	WID	TYPE	Date	LONG83DD
RHMW2254-01	ERH409	3-2254-001	Production Well	10/24/2017	-9999.000000
RHMW01	ERH412	RHMW01	Monitoring Well	10/25/2017	-9999.000000
RHMW02	ERH415	RHMW02	Monitoring Well	10/23/2017	-9999.000000
RHMW03	EHR418	RHMW03	Monitoring Well	10/23/2017	-9999.000000
RHMW04	ERH421	RHMW04	Monitoring Well	10/24/2017	-9999.000000
RHMW05	ERH423	RHMW05	Monitoring Well	10/24/2017	-9999.000000
RHMW06	ERH425	3-2253-004	Monitoring Well	10/24/2017	-157.894610
RHMW07	ERH427	3-2253-005	Monitoring Well	10/25/2017	-157.897800
RHMW08	ERH429	3-2253-007	Monitoring Well	10/23/2017	-157.899440
RHMW09	ERH431	3-2253-008	Monitoring Well	10/24/2017	-157.897853
RHMW10	ERH433	3-2253-009	Monitoring Well	10/25/2017	-157.894167
OWDFMW01	ERH435	OWDFMW01	Monitoring Well	10/26/2017	-9999.000000
HDMW2253-03	ERH437	3-2253-003	Deep Mont. Well	10/31/2017	-157.895794
Palolo Tunnel		3-1946-001	Water Devel. Tunnel	1/1/1929	-157.771389
Ainakoa I		3-1746-001	Production Well	1/1/1929	-157.778611
Ainakoa II		3-1746-004	Production Well	1/1/1929	-157.775833
Wahiawa I P2		3-2901-009	Production Well	1/1/1929	-158.025806
Wahiawa I P1		3-2901-011	Production Well	1/1/1929	-158.025806
Wahiawa II P2		3-2902-002	Production Well	1/1/1929	-158.035000
Waialua P2		3-3405-001	Production Well	1/1/1929	-158.095833
Haleiwa P2		3-3405-004	Production Well	1/1/1929	-158.092778
Waihee Tunnel		3-2651-002	Water Devel. Tunnel	1/1/1929	-157.858333
Waihee Inclined Wells		3-2652-003	Water Devel. Tunnel	1/1/1929	-157.867500
Kahaluu Wells		3-2651-003	Production Well	1/1/1929	-157.852642
Waimanalo II		3-1943-001	Production Well	8/8/2019	-157.730000

LAT83DD	NO3	d15N	d18O	Study
-9999.000000	0.6	5.3	-9999.0	RH AOC Section 6&7
-9999.000000	0.1	13.8	-9999.0	RH AOC Section 6&7
-9999.000000	0.0	11.5	-9999.0	RH AOC Section 6&7
-9999.000000	1.6	8.8	-9999.0	RH AOC Section 6&7
-9999.000000	0.5	4.4	-9999.0	RH AOC Section 6&7
-9999.000000	0.8	6.2	-9999.0	RH AOC Section 6&7
21.374000	0.6	9.6	-9999.0	RH AOC Section 6&7
21.373000	0.8	11.3	-9999.0	RH AOC Section 6&7
21.371043	1.1	7.7	-9999.0	RH AOC Section 6&7
21.369067	0.4	4.5	-9999.0	RH AOC Section 6&7
21.370217	0.4	4.6	-9999.0	RH AOC Section 6&7
-9999.000000	1.3	9.5	-9999.0	RH AOC Section 6&7
21.374889	0.1	9.4	-9999.0	RH AOC Section 6&7
21.323611	0.2	3.1	2.0	Richardson et al., 2016
21.283889	0.8	5.9	4.7	Richardson et al., 2016
21.291389	0.5	5.4	3.2	Richardson et al., 2016
21.492917	2.2	6.8	6.7	USGS NC Oahu Pharm. Sampling
21.492861	1.4	6.6	7.0	USGS NC Oahu Pharm. Sampling
21.493333	1.2	7.6	6.2	USGS NC Oahu Pharm. Sampling
21.571389	3.8	4.8	3.6	USGS NC Oahu Pharm. Sampling
21.577500	3.2	4.3	3.7	USGS NC Oahu Pharm. Sampling
21.446389	0.2	2.4	8.9	Dores, 2018
21.441944	0.1	2.4	8.5	Dores, 2018
21.435550	0.2	1.6	3.7	Dores, 2018
21.329722	0.9	5.4	-9999.0	Amato et al, 2019