

Online Resource Caption:

Analytical Results for PG&E Utility Vault Samples collected by PG&E as a provision of their permit coverage under WQO-2014-0174 (the 2014 NPDES Vault Permit) and reported in their 2015/2016 Annual Monitoring Reports, within Appendix C (Pacific Gas and Electric Company 2016a, 2016b, 2016c, 2016d). The data were collected in the 2015/2016 monitoring year (November – May) and represent the first year of data collection for Characterization Study 1 as required by the 2014 NPDES Vault Permit. Quality control data are available in the reports mentioned above. Note that due to a broken bottle, our calculations used the data from the "B" sample for the Region 5 V5-R5 vault, available with quality control data.

Region	Vault Location ID	Sample ID	Sample Date	Gen Min	Dioxin	Gen Min	Gen Min	Gen Min	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	OG	PAH	PAH	PAH	PAH	
				pH - field measurement (Standard Units)	2,3,7,8-TCDD (pg/l)	Cyanide, Total (mg/L)	Hardness, Total (as CaCO3) (mg/L)	Total Suspended Solids (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium-Total (mg/L)	Copper (mg/L)	Hexavalent Chromium (EPA 7199) (µg/L)	Lead (mg/L)	Mercury (ng/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Zinc (mg/L)	HEM: Oil and Grease (mg/L)	1-Methylnaphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Acenaphthene (µg/L)	Acenaphthylene (µg/L)
Water Quality Criteria (µg/L)				--	0.000000014	22	--	--	4300	340	--	Hardness Based	Hardness Based	Hardness Based	16	Hardness Based	0.051	Hardness Based	Hardness Based	Hardness Based	6.3	Hardness Based	--	--	--	2700	--
Water Quality Criteria (mg/L)				--	1.4E-11	0.022	--	--	4.3	0.34	--	Hardness Based	Hardness Based	Hardness Based	0.016	Hardness Based	0.000051	Hardness Based	Hardness Based	Hardness Based	0.0063	Hardness Based	--	--	--	2.7	--
Minimum Level (µg/L)				--	Special	5	--	--	0.5	1	0.5	0.25	0.5	0.5	5	0.5	0.2	1	1	0.25	1	1	--	--	--	0.5	0.2
Region 1																											
R1	V1-R1	V1-R1-EFF-A	1/7/2016	7.96	<0.354	<0.0070	130	<0.83	0.000788 J	<0.000386	<0.000290	<0.000128	0.000925 J	0.791	0.12 BV,J,BU	0.00243	4.27	0.00160	<0.000168	<0.000111	<0.000101	0.227	<0.80	<0.074	<0.075	<1.4	<1.4
R1	V1-R1	V1-R1-EFF-A	4/5/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R1	V2-R1	V2-R1-EFF-A	1/7/2016	7.72	<0.326	<0.0070	350	<0.83	0.00107	0.00118	<0.000290	0.000182 J	0.000545 J	0.0158	<0.067 BV,BU	0.000409 J	2.85	0.00250	<0.000168	<0.000111	<0.000101	0.0964	0.96 J	<0.074	<0.075	<1.4	<1.4
R1	V2-R1	V2-R1-EFF-A	4/5/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R1	V3-R1	V3-R1-EFF-A	1/7/2016	7.92	<0.357	<0.0070	87	<0.83	0.000330 J	<0.000386	<0.000290	<0.000128	0.000793 J	0.00510	<0.067	0.000332 J	1.51	0.00156	<0.000168	<0.000111	<0.000101	0.386	<0.80	<0.074	<0.075	<1.4	<1.4
R1	V3-R1	V3-R1-EFF-A	4/5/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R1	V4-R1	V4-R1-EFF-A	1/7/2016	8.16	<0.286	<0.0070	220	<0.83	0.00173	0.00350	<0.000290	0.000181 J	0.000483 J	0.00956	0.19 J	0.000264 J	10.4	0.00495	0.000264 J	<0.000111	<0.000101	0.168	<0.80	<0.074	<0.075	<1.4	<1.4
R1	V4-R1	V4-R1-EFF-A	4/5/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R1	V5-R1	V5-R1-EFF-A	1/11/2016	7.25	<0.468	<0.0070	47	10	<0.000995	<0.000386	<0.000290	<0.000128	0.00127	0.00444	0.11 BV,J,BU	0.000462 J	2.78	0.00113	<0.000168	<0.000111	<0.000101	0.0183	1.5	<0.074	<0.075	<1.4	<1.4
R1	V5-R1	V5-R1-EFF-A	3/28/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Region 2																											
R2	V1-R2	V1-R2-EFF	12/1/2015	7.35	<0.611	<0.0070	350	<0.83	0.000818 J	<0.000386	<0.000290	<0.000128	0.000490 J	0.00325	<0.067	0.00278	1.15	0.00456	<0.000168	<0.000111	<0.000101	0.0740	<0.80	<0.076	<0.076	<1.4	<1.4
R2	V1-R2	V1-R2-EFF	3/22/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R2	V2-R2	V2-R2-EFF	12/1/2015	7.88	<0.770	<0.0070	330	<0.83	0.000636 J	0.00116	<0.000290	<0.000128	0.000424 J	0.00344	<0.067	0.00785	0.702	0.00757	0.000228 J	<0.000111	<0.000101	0.0631	<0.80	<0.076	<0.076	<1.3	<1.4
R2	V2-R2	V2-R2-EFF	3/22/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R2	V3-R2	V3-R2-EFF	12/1/2015	8.01	<0.509	<0.0070	170	<0.83	0.000660 J	0.00192	<0.000290	<0.000128	0.000467 J	0.00966	<0.067	0.000825 J	0.746	0.00394	0.000312 J	<0.000111	<0.000101	0.0995	<0.80	<0.076	<0.076	<1.4	<1.4
R2	V3-R2	V3-R2-EFF	3/22/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R2	V4-R2	V4-R2-EFF	12/15/2015	7.84	<0.907	<0.0070	190	<0.83	0.0111	0.00218	<0.000290	0.000203 J	0.000551 J	0.0205	0.27 J	0.000219 J	3.41	0.00159	0.000504 J	<0.000111	<0.000101	0.0342	<0.80	<0.076	<0.076	<1.4	<1.4
R2	V4-R2	V4-R2-EFF	3/30/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R2	V5-R2	V5-R2-EFF	12/15/2015	7.79	<0.804	<0.0070	220	<0.83	0.00236	0.000916 J	<0.000290	0.000425 J	0.00313	0.0104	2.5	0.00127	4.93	0.00181	0.00266	<0.000111	<0.000101	0.0203	1.1	<0.074	<0.075	<1.4	<1.4
R2	V5-R2	V5-R2-EFF	3/30/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Region 3																											
R3	V1-R3	V1-R3-EFF	12/2/2015	7.51	<0.425	<0.0070	270	<0.83	0.000591 J	<0.000386	<0.000290	0.000159 J	0.00135	0.0880	0.35 BV,J,BU	0.000125 J	0.510	0.00321	0.000524 J	<0.000111	<0.000101	0.307	<0.80	<0.074	<0.075	<1.4	<1.4
R3	V1-R3	V1-R3-EFF	3/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R3	V2-R3	V2-R3-EFF	12/2/2015	8.02	<0.512	<0.0070	400	1.7	0.00560	0.0226	<0.000290	<0.000128	0.000915 J	0.00176	<0.067 BU	0.000189 J	<0.113	0.00531	0.000185 J	<0.000111	<0.000101	0.106	<0.80	<0.074	<0.075	<1.3	<1.4
R3	V2-R3	V2-R3-EFF	3/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R3	V3-R3	V3-R3-EFF	12/2/2015	8.4	<0.387	<0.0070	320	<0.83	0.00186	0.00310	<0.000290	<0.000128	0.00146	0.0135	0.80 J	<0.0000898	0.225 J	0.00192	0.000297 J	<0.000111	<0.000101	0.0201	<0.80	<0.073	<0.073	<1.4	<1.4
R3	V3-R3	V3-R3-EFF	3/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R3	V4-R3	V4-R3-EFF	12/2/2015	8.28	<0.457	<0.0070	260	<0.83	0.00653	0.000700 J	<0.000290	<0.000128	0.000797 J	0.00819	<0.067	<0.0000898	<0.113	0.00459	<0.000168	<0.000111	<0.000101	0.0168	<0.80	<0.074	<0.075	<1.4	<1.4
R3	V4-R3	V4-R3-EFF	3/17/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R3	V5-R3	V5-R3-EFF	12/3/2015	8.27	<0.472	<0.0070	330	<0.83	0.0253	0.00138	<0.000290	<0.000128	0.00207	0.116	<1.3 BV,BU	0.00173	0.952	0.00174	0.00607	<0.000111	<0.000101	0.0262	<0.80	<0.073	<0.073	<1.3	<1.4
R3	V5-R3	V5-R3-EFF	3/16/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Region 5																											
R5	V1-R5	V1-R5-A	11/23/2015	8.27	<0.630	<0.0070	350	<0.83	0.000351 J	<0.000386	<0.000290	<0.000128	0.00154	0.00636	0.75 J	0.0000927 J	0.919	0.00170	0.000547 J	<0.000111	<0.000101	0.0991	<0.80	<0.073	<0.073	<1.3	<1.4
R5	V1-R5	V1-R5-A	3/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R5	V2-R5	V2-R5-A	11/23/2015	8.10	<0.393	<0.0070	190	<0.83	0.000637 J	0.00160	<0.000290	<0.000128	0.00273	0.0510	1.9	0.000175 J	3.23	0.00275	0.000694 J	<0.000111	<0.000101	0.166	<0.80	<0.074	<0.074	<1.3	<1.4
R5	V2-R5	V2-R5-A	3/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R5	V3-R5	V3-R5-EFF-A	11/23/2015	7.74	<0.346	<0.0070	280	<0.83	0.000293 J	0.00463	<0.000290	<0.000128	0.00263	0.000284 J	2.1	0.000259 J	1.68	0.00144	0.000468 J	<0.000111	<0.000101	0.0892	<0.80	<0.073	<0.073	<1.3	<1.4
R5	V3-R5	V3-R5-EFF-A	3/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
R5	V4-R5	V4-R5-A	11/23/2015	8.46	<0.377	<0.0070	140	<0.83	0.00647</																		

Region	Vault	Location ID	Sample ID	Sample Date	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PCB	PCB	PCB	PCB	PCB	PCB	PCB		
					Anthracene (µg/L)	Benzo(a)anthracene (µg/L)	Benzo(a)pyrene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(g,h,i)perylene (µg/L)	Benzo(k)fluoranthene (µg/L)	Chrysene (µg/L)	Dibenz(a,h)anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno(1,2,3-c,d)pyrene (µg/L)	Naphthalene (8270) (µg/L)	Naphthalene (8270SIM) (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)	Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)	Aroclor 1248 (µg/L)	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)
Water Quality Criteria (µg/L)					110000	0.049	0.049	0.049	--	0.049	0.049	370	14000	0.049	--	--	--	11000	0.00017 (Sum of PCBs)							
Water Quality Criteria (mg/L)					110	0.000049	0.000049	0.000049	--	0.000049	0.000049	0.37	14	0.000049	--	--	--	11	0.00000017 (Sum of PCBs)							
Minimum Level (µg/L)					2	5	2	10	0.1	2	5	0.1	0.05	0.1	0.05	0.2	0.2	0.05	0.05	0.5	0.5	0.5	0.5	0.5	0.5	
Region 1																										
R1	V1-R1	V1-R1-EFF-A	1/7/2016	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.073	<1.4	<1.4	<0.14	<0.14	<0.12	<0.061	<0.098	<0.11	<0.13	
R1	V1-R1	V1-R1-EFF-A	4/5/2016	--	--	--	--	--	--	--	<0.0047	--	--	<0.0051	--	--	--	--	--	--	--	--	--	--	--	
R1	V2-R1	V2-R1-EFF-A	1/7/2016	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.1	<1.4	<0.073	<1.4	<1.5	<0.14	<0.14	<0.12	<0.061	<0.098	<0.11	<0.13	
R1	V2-R1	V2-R1-EFF-A	4/5/2016	--	--	--	--	--	--	--	<0.0047	--	--	<0.0051	--	--	--	--	--	--	--	--	--	--	--	
R1	V3-R1	V3-R1-EFF-A	1/7/2016	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.073	<1.4	<1.4	<0.14	<0.14	<0.12	<0.061	<0.098	<0.11	<0.13	
R1	V3-R1	V3-R1-EFF-A	4/5/2016	--	--	--	--	--	--	--	<0.0047	--	--	<0.0051	--	--	--	--	--	--	--	--	--	--	--	
R1	V4-R1	V4-R1-EFF-A	1/7/2016	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.073	<1.4	<1.4	<0.14	<0.14	<0.12	<0.061	<0.098	<0.11	<0.13	
R1	V4-R1	V4-R1-EFF-A	4/5/2016	--	--	--	--	--	--	--	<0.0047	--	--	<0.0051	--	--	--	--	--	--	--	--	--	--	--	
R1	V5-R1	V5-R1-EFF-A	1/11/2016	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.073	<1.4	<1.4	<0.14	<0.14	<0.12	<0.060	<0.097	<0.11	<0.13	
R1	V5-R1	V5-R1-EFF-A	3/28/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
Region 2																										
R2	V1-R2	V1-R2-EFF	12/1/2015	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.1	<1.4	<0.075	<1.4	<1.5	<0.15	<0.14	<0.12	<0.063	<0.10	<0.11	<0.13	
R2	V1-R2	V1-R2-EFF	3/22/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R2	V2-R2	V2-R2-EFF	12/1/2015	<1.5	<2.2	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.075	<1.4	<1.4	<0.15	<0.14	<0.12	<0.063	<0.10	<0.11	<0.13	
R2	V2-R2	V2-R2-EFF	3/22/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R2	V3-R2	V3-R2-EFF	12/1/2015	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.1	<1.4	<0.075	<1.4	<1.5	<0.14	<0.14	<0.12	<0.061	<0.099	<0.11	<0.13	
R2	V3-R2	V3-R2-EFF	3/22/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R2	V4-R2	V4-R2-EFF	12/15/2015	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.1	<1.4	<0.075	<1.4	<1.5	<0.15	<0.14	<0.12	<0.063	<0.10	<0.11	<0.13	
R2	V4-R2	V4-R2-EFF	3/30/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R2	V5-R2	V5-R2-EFF	12/15/2015	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.1	<1.4	<0.073	<1.4	<1.5	<0.14	<0.14	<0.12	<0.061	<0.099	<0.11	<0.13	
R2	V5-R2	V5-R2-EFF	3/30/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
Region 3																										
R3	V1-R3	V1-R3-EFF	12/2/2015	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.073	<1.4	<1.4	<0.14	<0.14	<0.12	<0.060	<0.097	<0.11	<0.13	
R3	V1-R3	V1-R3-EFF	3/17/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R3	V2-R3	V2-R3-EFF	12/2/2015	<1.5	<2.2	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.073	<1.4	<1.4	<0.14	<0.14	<0.12	<0.060	<0.097	<0.11	<0.13	
R3	V2-R3	V2-R3-EFF	3/17/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R3	V3-R3	V3-R3-EFF	12/2/2015	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.1	<1.4	<0.072	<1.4	<1.5	<0.14	<0.14	<0.12	<0.060	<0.097	<0.11	<0.13	
R3	V3-R3	V3-R3-EFF	3/17/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R3	V4-R3	V4-R3-EFF	12/2/2015	<1.5	<2.3	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.1	<1.4	<0.073	<1.4	<1.5	<0.14	<0.14	<0.12	<0.060	<0.097	<0.11	<0.13	
R3	V4-R3	V4-R3-EFF	3/17/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R3	V5-R3	V5-R3-EFF	12/3/2015	<1.5	<2.2	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.072	<1.4	<1.4	<0.14	<0.14	<0.12	<0.060	<0.097	<0.11	<0.13	
R3	V5-R3	V5-R3-EFF	3/16/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
Region 5																										
R5	V1-R5	V1-R5-A	11/23/2015	<1.5	<2.2	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.072	<1.4	<1.4	<0.14	<0.14	<0.12	<0.060	<0.097	<0.11	<0.13	
R5	V1-R5	V1-R5-A	3/21/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R5	V2-R5	V2-R5-A	11/23/2015	<1.5	<2.2	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.073	<1.4	<1.4	<0.14	<0.14	<0.12	<0.060	<0.097	<0.11	<0.13	
R5	V2-R5	V2-R5-A	3/21/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R5	V3-R5	V3-R5-EFF-A	11/23/2015	<1.5	<2.2	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.072	<1.4	<1.4	<0.14	<0.14	<0.12	<0.060	<0.097	<0.11	<0.13	
R5	V3-R5	V3-R5-EFF-A	3/21/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R5	V4-R5	V4-R5-A	11/23/2015	<1.5	<2.2	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.071	<1.4	<1.4	<0.14	<0.14	<0.12	<0.060	<0.097	<0.11	<0.13	
R5	V4-R5	V4-R5-A	3/21/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	
R5	V5-R5	V5-R5-A	11/23/2015	<1.5	<2.2	<1.2	<1.1	<1.2	<1.6	<1.4	<1.2	<1.5	<1.3	<1.0	<1.4	<0.072	<1.4	<1.4	<0.14	<0.14	<0.12	<0.060	<0.097	<0.11	<0.13	
R5	V5-R5	V5-R5-A	3/21/2016	--	--	--	--	--	--	--	<0.0046	--	--	<0.0050	--	--	--	--	--	--	--	--	--	--	--	

Region	Vault	Location ID	Sample ID	Sample Date	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	Pest	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	
					4,4-DDD (µg/L)	4,4-DDE (µg/L)	4,4-DDT (µg/L)	Aldrin (µg/L)	alpha-BHC (µg/L)	alpha-Endosulfan (µg/L)	beta-BHC (µg/L)	beta-Endosulfan (µg/L)	Chlordane (µg/L)	delta-BHC (µg/L)	Dieldrin (µg/L)	Endosulfan sulfate (µg/L)	Endrin (µg/L)	Endrin aldehyde (µg/L)	gamma-BHC (Lindane) (µg/L)	Heptachlor (µg/L)	Heptachlor epoxide (µg/L)	Methoxychlor (µg/L)	Toxaphene (µg/L)	1,2-Diphenylhydrazine (µg/L)	2,4,6-Trichlorophenol (µg/L)	2,4-Dichlorophenol (µg/L)	2,4-Dimethylphenol (µg/L)	2,4-Dinitrophenol (µg/L)	2,4-Dinitrotoluene (µg/L)	2,6-Dinitrotoluene (µg/L)	2-Chloronaphthalene (µg/L)	2-Chlorophenol (µg/L)	2-Nitrophenol (µg/L)	3,3-Dichlorobenzidine (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	4-Bromophenyl phenyl ether (µg/L)	4-Chloro-3-methylphenol (µg/L)	4-Chlorophenyl phenyl ether (µg/L)
Water Quality Criteria (µg/L)					0.00084	0.00059	0.00059	0.00014	0.013	0.22	0.046	0.22	0.00059	-	0.00014	110	0.81	0.76	0.063	0.00021	0.00011	-	0.00075	0.54	6.5	790	2300	14000	9.1	-	4300	400	-	0.077	765	-	-	-
Water Quality Criteria (mg/L)					0.00000084	0.00000059	0.00000059	0.00000014	0.000013	0.00022	0.000046	0.00022	0.00000059	-	0.00000014	0.11	0.00081	0.00076	0.000063	0.00000021	0.00000011	-	0.00000075	0.00054	0.0065	0.79	2.3	14	0.0091	-	4.3	0.4	-	0.000077	0.765	-	-	-
Minimum Level (µg/L)					0.05	0.05	0.01	0.005	0.01	0.02	0.005	0.01	0.1	0.005	0.01	0.05	0.01	0.01	0.02	0.01	-	0.5	1	10	1	1	5	5	5	10	2	10	5	5	5	5	1	5
Region 1																																						
R1	V1-R1	V1-R1-EFF-A	1/7/2016	<0.013	<0.013	<0.013	<0.013	<0.014	<0.014	<0.015	<0.013	<0.16	<0.014	<0.014	<0.014	<0.015	<0.013	<0.015	<0.013	<0.012	<0.012	<0.29	<0.41	<1.2	<1.2	<1.2	<1.2	<6.5	<1.1	<1.1	<1.3	<1.1	<1.3	<1.3	<6.9	<1.3	<1.2	<1.3
R1	V1-R1	V1-R1-EFF-A	4/5/2016	-	-	<0.00050	<0.00050	<0.00050	-	-	-	<0.0025	-	<0.00050	-	-	-	-	<0.00050	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R1	V2-R1	V2-R1-EFF-A	1/7/2016	<0.013	<0.013	<0.013	<0.013	<0.014	<0.014	<0.015	<0.013	<0.16	<0.014	<0.014	<0.014	<0.015	<0.013	<0.015	<0.013	<0.012	<0.012	<0.29	<0.42	<1.2	<1.2	<1.2	<6.6	<1.1	<1.2	<1.4	<1.1	<1.3	<1.3	<7.0	<1.3	<1.2	<1.3	
R1	V2-R1	V2-R1-EFF-A	4/5/2016	-	-	<0.00050	<0.00050	<0.00050	-	-	-	<0.0025	-	<0.00050	-	-	-	-	<0.00050	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R1	V3-R1	V3-R1-EFF-A	1/7/2016	<0.013	<0.013	<0.013	<0.013	<0.014	<0.014	<0.015	<0.013	<0.16	<0.014	<0.014	<0.014	<0.015	<0.013	<0.015	<0.013	<0.012	<0.012	<0.29	<0.41	<1.2	<1.2	<1.2	<6.5	<1.1	<1.1	<1.3	<1.1	<1.3	<1.3	<6.9	<1.3	<1.2	<1.3	
R1	V3-R1	V3-R1-EFF-A	4/5/2016	-	-	<0.00050	<0.00050	<0.00050	-	-	-	<0.0025	-	<0.00050	-	-	-	-	<0.00050	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R1	V4-R1	V4-R1-EFF-A	1/7/2016	<0.013	<0.013	<0.013	<0.013	<0.014	<0.014	<0.015	<0.013	<0.16	<0.014	<0.014	<0.014	<0.015	<0.013	<0.015	<0.013	<0.012	<0.012	<0.29	<0.41	<1.2	<1.2	<1.2	<6.5	<1.1	<1.1	<1.3	<1.1	<1.3	<1.3	<6.9	<1.3	<1.2	<1.3	
R1	V4-R1	V4-R1-EFF-A	4/5/2016	-	-	<0.00050	<0.00050	<0.00050	-	-	-	<0.0025	-	<0.00050	-	-	-	-	<0.00050	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R1	V5-R1	V5-R1-EFF-A	1/11/2016	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.014	<0.013	<0.16	<0.014	<0.014	<0.014	<0.015	<0.013	<0.014	<0.013	<0.012	<0.012	<0.28	<0.41	<1.2	<1.2	<1.2	<6.5	<1.1	<1.1	<1.3	<1.1	<1.3	<1.3	<6.9	<1.3	<1.2	<1.3	
R1	V5-R1	V5-R1-EFF-A	3/28/2016	-	-	<0.00050	<0.00050	<0.00050	-	-	-	<0.0025	-	<0.00050	-	-	-	-	<0.00050	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Region 2																																						
R2	V1-R2	V1-R2-EFF	12/1/2015	<0.014	<0.013	<0.013	<0.013	<0.014	<0.014	<0.015	<0.014	<0.17	<0.014	<0.014	<0.015	<0.015	<0.013	<0.015	<0.013	<0.013	<0.013	<0.30	<0.42	<1.2	<1.2	<1.2	<6.6	<1.1	<1.2	<1.4	<1.1	<1.3	<1.3	<7.0	<1.3	<1.2	<1.3	
R2	V1-R2	V1-R2-EFF	3/22/2016	-	-	<0.00050	<0.00050	<0.00050	-	-	-	<0.0025	-	<0.00050	-	-	-	-	<0.00050	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R2	V2-R2	V2-R2-EFF	12/1/2015	<0.014	<0.013	<0.013	<0.013	<0.014	<0.014	<0.015	<0.014	<0.17	<0.014	<0.014	<0.015	<0.015	<0.013	<0.015	<0.013	<0.013	<0.013	<0.30	<0.41	<1.2	<1.2	<1.2	<6.5	<1.1	<1.1	<1.3	<1.1	<1.2	<1.2	<6.8	<1.3	<1.1	<1.3	
R2	V2-R2	V2-R2-EFF	3/22/2016	-	-	<0.00050	<0.00050	<0.00050	-	-	-	<0.0025	-	<0.00050	-	-	-	-	<0.00050	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R2	V3-R2	V3-R2-EFF	12/1/2015	<0.013	<0.013	<0.013	<0.013	<0.014	<0.014	<0.015	<0.013	<0.16	<0.014	<0.014	<0.014	<0.015	<0.013	<0.015	<0.013	<0.012	<0.012	<0.29	<0.42	<1.2	<1.2	<1.2	<6.6	<1.1	<1.2	<1.4	<1.1	<1.3	<1.3	<7.0	<1.3	<1.2	<1.3	
R2	V3-R2	V3-R2-EFF	3/22/2016	-	-	<0.00050	<0.00050	<0.00050	-	-	-	<0.0025	-	<0.00050	-	-	-	-	<0.00050	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R2	V4-R2	V4-R2-EFF	12/15/2015	<0.014	<0.013	<0.013	<0.013	<0.014	<0.014	<0.015	<0.014	<0.17	<0.014	<0.014	<0.015	<0.015	<0.013	<0.015	<0.013	<0.013	<0.013	<0.30	<0.42	<1.2	<1.2	<1.2	<6.6	<1.1	<1.2	<1.4	<1.1	<1.3	<1.3	<7.0	<1.3	<1.2	<1.3	
R2	V4-R2	V4-R2-EFF	3/30/2016	-	-	<0.00050	<0.00050	<0.00050	-	-	-	<0.0025	-	<0.00050	-	-	-	-	<0.00050	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R2	V5-R2	V5-R2-EFF	12/15/2015	<0.013	<0.013	<0.013	<0.013	<0.014	<0.014	<0.015	<0.013	<0.16	<0.014	<0.014	<0.014	<0.015	<0.013	<0.015	<0.013	<0.012	<0.012	<0.29	<0.42	<1.2	<1.2	<1.2	<6.6	<1.1	<1.2	<1.4	<1.1	<1.3	<1.3	<7.0	<1.3	<1.2	<1.3	
R2	V5-R2	V5-R2-EFF	3/30/2016	-	-	<0.00050	<0.00050	<0.00050	-	-	-	<0.0025	-	<0.00050	-	-	-	-	<0.00050	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Region 3																																						
R3	V1-R3	V1-R3-EFF	12/2/2015	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.014	<0.013	<0.16	<0.014	<0.014	<0.014	<0.015	<0.013	<0.014	<0.013	<0.012	<0.012	<0.28	<0.41	<1.2	<1.2	<1.2	<6.5	<1.1	<1.1	<1.3	<1.1	<1.3	<1.3	<6.9	<1.3	<1.2	<1.3	
R3	V1-R3	V1-R3-EFF	3/17/2016	-	-	<0.00050	<0.00050	<0.00050	-	-	-	<0.0025	-	<0.00050	-	-	-	-	<0.00050	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R3	V2-R3	V2-R3-EFF	12/2/2015	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.014	<0.013	<0.16	<0.014	<0.014	<0.014	<0.015	<0.013	<0.014	<0.013	<0.012	<0.012	<0.28	<0.41	<1.2	<1.2	<1.2	<6.5	<1.1	<1.1	<1.3	<1.1	<1.2	<1.2	<6.8	<1.3	<1.1	<1.3	
R3	V2-R3	V2-R3-EFF	3/17/2016	-	-	<0.00050	<																															

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Notes:
 BU = Sample analyzed after holding time expired.
 BV = Sample received after holding time expired.
 Hardness Based = Water Quality Criteria varied based on each specific samples analytical result for Total Hardness (as CoCO3) and corresponding Hardness-based Criteria identified in Table G-4 of the General Permit.
 HD = The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
 J = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
 mg/L = milligram per liter
 ng/L = nanogram/Liter
 pH Based = Water Quality Criteria varied based on each specific samples analytical result for pH and corresponding Pentachlorophenol Criteria identified in Table G-5 of the General Permit.
 pg/L = picogram/Liter
 µg/L = microgram per liter
 < = less than
 -- = not applicable
 Detections are **bolded**.
 Exceedences of Water Quality Criteria are shaded.