1 Evaporites

1.1 SHC

Table 1: Logs - SHC - Linear regression

Foramt	Coff.	Logs	R2	MAE
$y = a_0 + a_1 x_1$	$a_0 = 4379.227362807073, a_1 = -1341.1071790912542$	RHOB	0.6265	156.4385
	$a_0 = 706.9938837656895, a_1 = 2367.143663160521$	PHIN	0.7276	132.5090
	$a_0 = 1339.025549082459, a_1 = -12.637510100354353$	VSH	$1.5786e-05$	273.5051
	$a_0 = 2363.9559362097616, a_1 = -114.2120402381809$	U	0.3614	208.3203
	$a_0 = -420.13531140497594, a_1 = 6.8290521645806175$	DT	0.9229	70.8774
	$a_0 = 2441.400567565862, a_1 = -119.81150705744736$	AI	0.8285	104.6623
$y = a_0 + a_1 x_1 + a_2 x_2$	$a_0 = 2491.9721094792976, a_1 = -699.495877059567, a_2 = 1624.109251767721$	RHOB, PHIN	0.8249	106.3367
	$a_0 = 4424.780038164339, a_1 = -1347.655708606719, a_2 = -91.9939280459042$	RHOB, VSH	0.6300	155.7023
	$a_0 = 4281.566461865641, a_1 = -1123.8130012572867, a_2 = -43.9042225321718$	RHOB, U	0.6624	148.0763
	$a_0 = -1049.7603208402213, a_1 = 197.1609937056274, a_2 = 7.5374833535027115$	RHOB, DT	0.9264	69.0904
	$a_0 = 1580.2412763176835, a_1 = 535.2873516908663, a_2 = -158.13771548371014$	RHOB, AI	0.8431	100.2231
	$a_0 = 782.6073161119596, a_1 = 2514.097208146604, a_2 = -343.51526240452137$	PHIN, VSH	0.7738	118.2589

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Table 1: Logs - SHC - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 722.3495087752328, a_1 = 2353.7719110856524, a_2 = -1.310550568547189$	PHIN, U	0.7276	132.5234
	$a_0 = -239.67338168259357, a_1 = 728.0178565715008, a_2 = 5.375459565161474$	PHIN, DT	0.9498	56.3398
	$a_0 = 1800.0143945545274, a_1 = 1084.6555936777131, a_2 = -81.51472208531767$	PHIN, AI	0.8959	81.7326
	$a_0 = 2963.6179055872353, a_1 = -662.0117820656078, a_2 = -156.25369434369873$	VSH, U	0.4953	183.4277
	$a_0 = -384.27908818765604, a_1 = -174.29038242751312, a_2 = 6.915762189131601$	VSH, DT	0.9356	64.5735
	$a_0 = 2511.260597551226, a_1 = -166.68952000930864, a_2 = -121.35505280050893$	VSH, AI	0.8405	100.1750
	$a_0 = -210.60993280687012, a_1 = -14.46389642975841, a_2 = 6.5208846711007284$	U, DT	0.9267	69.1290
	$a_0 = 2557.520989763123, a_1 = -21.731303348073496, a_2 = -111.18266786302972$	U, AI	0.8367	102.2434
	$a_0 = -1179.9353478705818, a_1 = 8.579514561772934, a_2 = 33.55987673766261$	DT, AI	0.9273	68.9337
$y = a_0+a_1x_1+a_2x_2+a_3x_3$	$a_0 = 2431.5611084151283, a_1 = -651.005663138564, a_2 = 1798.6919991134453, a_3 = -287.6958464915127$	RHOB, PHIN, VSH	0.8571	94.2335
	$a_0 = 2375.723034405207, a_1 = -723.4561248689752, a_2 = 1753.130583516283, a_3 = 15.139720374853116$	RHOB, PHIN, U	0.8281	104.9483
	$a_0 = -766.5320065719832, a_1 = 163.89408369847396, a_2 = 714.0190634427214, a_3 = 5.992307999698415$	RHOB, PHIN, DT	0.9522	54.8444

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Table 1: Logs - SHC - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 1234.036258711897, a_1 = 371.5441595695599, a_2 = 1030.955236479231, a_3 = -110.01307049115579$	RHOB, PHIN, AI	0.9028	78.4091
	$a_0 = 4401.31435778002, a_1 = -985.5003479317584, a_2 = -392.7465155546734, a_3 = -77.499038656064$	RHOB, VSH, U	0.7049	137.9180
	$a_0 = -1078.1090084172322, a_1 = 217.6222254279082, a_2 = -179.8177958196935, a_3 = 7.7004637833353655$	RHOB, VSH, DT	0.9399	62.5674
	$a_0 = 1581.23038364058, a_1 = 583.0156621364337, a_2 = -185.57129321038485, a_3 = -163.27342093379215$	RHOB, VSH, AI	0.8579	94.3545
	$a_0 = -924.9719427668117, a_1 = 235.74980315682726, a_2 = -17.121249871103576, a_3 = 7.311354144050562$	RHOB, U, DT	0.9316	66.5926
	$a_0 = 1648.3030829120523, a_1 = 573.713553783507, a_2 = -24.30653739720945, a_3 = -151.23761902177372$	RHOB, U, AI	0.8534	96.5234
	$a_0 = -1242.9897133084517, a_1 = 86.9163399724662, a_2 = 8.397622847789021, a_3 = 24.085145527371786$	RHOB, DT, AI	0.9276	68.6749
	$a_0 = 1281.9745605458645, a_1 = 2153.772436343901, a_2 = -463.8219520087704, a_3 = -40.35919553994271$	PHIN, VSH, U	0.7907	113.7640
	$a_0 = -143.6842947834325, a_1 = 905.9873439313823, a_2 = -252.1488184353911, a_3 = 5.145562674434217$	PHIN, VSH, DT	0.9747	40.4208
	$a_0 = 1812.1677161310856, a_1 = 1260.7143476199901, a_2 = -277.40603565210193, a_3 = -77.86725890301676$	PHIN, VSH, AI	0.9265	67.7425
	$a_0 = -309.6636104969796, a_1 = 782.6562862072467, a_2 = 5.766500027555419, a_3 = 5.389227000308917$	PHIN, U, DT	0.9503	55.9187
	$a_0 = 1681.8371040134598, a_1 = 1183.8208488539335, a_2 = 11.142248205043076, a_3 = -82.43766437762982$	PHIN, U, AI	0.8978	80.8596

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Table 1: Logs - SHC - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = -910.4048919820232, a_1 = 715.0816727804578, a_2 = 6.939163138676174, a_3 = 29.484142414019853$	PHIN, DT, AI	0.9533	54.4609
	$a_0 = 251.82894258954684, a_1 = -328.68861716106966, a_2 = -41.71891426614605, a_3 = 6.10371343774649$	VSH, U, DT	0.9577	51.8529
	$a_0 = 2865.9831531091204, a_1 = -356.8764483605914, a_2 = -51.46749998243269, a_3 = -102.68000676198452$	VSH, U, AI	0.8735	89.0199
	$a_0 = -1123.2278044328793, a_1 = -172.63241400491353, a_2 = 8.61657569170048, a_3 = 32.62382172563139$	VSH, DT, AI	0.9397	62.6835
	$a_0 = -1031.7965128950125, a_1 = -16.34998230045105, a_2 = 8.435533041685316, a_3 = 37.47807664737861$	U, DT, AI	0.9322	66.6302
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_4$	$a_0 = 2541.3141567644984, a_1 = -617.9031496841822, a_2 = 1695.374942121585, a_3 = -337.1758229007547, a_4 = -15.646841435243218$	RHOB, PHIN, VSH, U	0.8593	93.7047
	$a_0 = -735.9585357501703, a_1 = 184.66385582558942, a_2 = 892.7202705855613, a_3 = -255.6989768941455, a_4 = 5.837345474892061$	RHOB, PHIN, VSH, DT	0.9778	37.8304
	$a_0 = 1176.8067311219543, a_1 = 417.34181700534754, a_2 = 1205.9188274366622, a_3 = -286.1100630614308, a_4 = -109.76395538382091$	RHOB, PHIN, VSH, AI	0.9354	63.0497
	$a_0 = -776.7949723300255, a_1 = 155.81680933891678, a_2 = 742.9909649287674, a_3 = 2.9848608093515656, a_4 = 5.969033860674084$	RHOB, PHIN, U, DT	0.9524	54.6590
	$a_0 = 1191.3133972838382, a_1 = 349.49190331044736, a_2 = 1098.1804653280144, a_3 = 7.195330221825817, a_4 = -108.91761683741348$	RHOB, PHIN, U, AI	0.9036	78.1220
	$a_0 = -953.1163376773777, a_1 = 57.74448314862978, a_2 = 712.905873194223, a_3 = 6.823311148069284, a_4 = 23.20183028983824$	RHOB, PHIN, DT, AI	0.9534	54.3295

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Table 1: Logs - SHC - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = -753.9248742564848, a_1 = 347.5383662849236, a_2 = -362.3412256027365, a_3 = -48.42683013278519, a_4 = 7.2262982906381845$	RHOB, VSH, U, DT	0.9683	44.7155
	$a_0 = 1747.8759524888114, a_1 = 733.8430164033633, a_2 = -408.8039424642378, a_3 = -59.08828966061358, a_4 = -152.67753022583315$	RHOB, VSH, U, AI	0.9007	77.3393
	$a_0 = -1220.3914644889726, a_1 = 135.83727441979005, a_2 = -176.83625340840447, a_3 = 8.333208564855083, a_4 = 17.793435909547508$	RHOB, VSH, DT, AI	0.9405	62.2860
	$a_0 = -1116.7733783779092, a_1 = 126.37910522145145, a_2 = -17.090138226187083, a_3 = 8.164538766088684, a_4 = 23.878893075633883$	RHOB, U, DT, AI	0.9329	66.1407
	$a_0 = 142.24943939602827, a_1 = 748.9993909974033, a_2 = -318.1795171173435, a_3 = -21.487074380621593, a_4 = 5.034059052771675$	PHIN, VSH, U, DT	0.9793	36.5993
	$a_0 = 2004.2361415455841, a_1 = 1136.5912579379744, a_2 = -332.5812101863442, a_3 = -17.881103745713787, a_4 = -75.66065036073584$	PHIN, VSH, U, AI	0.9296	66.5597
	$a_0 = -761.6252195183927, a_1 = 892.2840792595472, a_2 = -249.5928917535711, a_3 = 6.586255386134184, a_4 = 27.120792518464224$	PHIN, VSH, DT, AI	0.9775	38.0790
	$a_0 = -929.127120734641, a_1 = 748.1332493792149, a_2 = 3.441328109217252, a_3 = 6.893650033064584, a_4 = 28.471060271115462$	PHIN, U, DT, AI	0.9535	54.2456
	$a_0 = -665.6885794031537, a_1 = -336.9744119943854, a_2 = -44.540087942138655, a_3 = 8.259627259846088, a_4 = 42.406551630770394$	VSH, U, DT, AI	0.9646	47.5171
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_4 + a_5x_5$	$a_0 = -626.8574307432611, a_1 = 269.376522820409, a_2 = 677.56068396372, a_3 = -345.2659548723432, a_4 = -28.616060792387277, a_5 = 6.00619548499053$	RHOB, PHIN, VSH, U, DT	0.9855	30.5319

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Table 1: Logs - SHC - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 1320.6252341644106, a_1 = 514.1333678805548, a_2 = 1005.0410067875093, a_3 = -371.773777409187, a_4 = -27.107583974162505, a_5 = -113.81636466266373$	RHOB, PHIN, VSH, U, AI	0.9421	59.2838
	$a_0 = -848.6492876530617, a_1 = 120.51934214288046, a_2 = 890.2674691635906, a_3 = -253.1487428901949, a_4 = 6.33943129152037, a_5 = 13.975218725367679$	RHOB, PHIN, VSH, DT, AI	0.9782	37.5304
	$a_0 = -963.380805302598, a_1 = 49.6662471401265, a_2 = 741.87915633799, a_3 = 2.985003777095731, a_4 = 6.800040393889647, a_5 = 23.201955920450267$	RHOB, PHIN, U, DT, AI	0.9536	54.1526
	$a_0 = -841.2380190162696, a_1 = 297.64215971588135, a_2 = -359.60220060456714, a_3 = -48.17623055578712, a_4 = 7.609582161675783, a_5 = 10.709336781407925$	RHOB, VSH, U, DT, AI	0.9685	44.5835
	$a_0 = -581.2424269608223, a_1 = 707.3522682288219, a_2 = -325.3524996499788, a_3 = -24.855359443619413, a_4 = 6.807859599448878, a_5 = 33.72053237849875$	PHIN, VSH, U, DT, AI	0.9836	32.3385
$y = y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_4 + a_5x_5 + a_6x_6$	$a_0 = -714.2278283652442, a_1 = 219.44628137374906, a_2 = 677.5666023310553, a_3 = -342.5249498768748, a_4 = -28.36512066356892, a_5 = 6.389724897301461, a_6 = 10.716495229199253$	RHOB, PHIN, VSH, U, DT, AI	0.9857	30.2564

1.2 TC

Table 2: Logs - TC - Linear regression

Foramt	Coff.	Logs	R2	MAE
$y = a_0 + a_1x_1$	$a_0 = -1.0751364346020433, a_1 = 1.6709612913089684$	RHOB	0.1497	0.5721

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Table 2: Logs - TC - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 4.303635866971481, a_1 = -5.978262571175906$	PHIN	0.7004	0.3383
	$a_0 = 3.29998277570134, a_1 = -1.7444500007033903$	VSH	0.1954	0.5680
	$a_0 = -0.29226984791702204, a_1 = 0.33408057179678285$	U	0.4643	0.4621
	$a_0 = 5.208223045515058, a_1 = -0.009689959209073442$	DT	0.2831	0.5240
	$a_0 = 1.176796663098196, a_1 = 0.1668755619902932$	AI	0.2474	0.5346
$y = a_0 + a_1x_1 + a_2x_2$	$a_0 = 7.3409571608935735, a_1 = -1.1902631033800768, a_2 = -7.242610901776908$	RHOB, PHIN	0.7431	0.3139
	$a_0 = -0.2566273059020965, a_1 = 1.553294630768603, a_2 = -1.6529845788416484$	RHOB, VSH	0.3233	0.5053
	$a_0 = -0.33553337428956054, a_1 = 0.025354529904363137, a_2 = 0.33249434556115504$	RHOB, U	0.4644	0.4620
	$a_0 = 8.879329995165055, a_1 = -1.1495717027534562, a_2 = -0.013820555392559563$	RHOB, DT	0.3005	0.5194
	$a_0 = 4.48254679537, a_1 = -2.0548187212736635, a_2 = 0.31399917763515384$	RHOB, AI	0.2810	0.5235
	$a_0 = 4.527008319500834, a_1 = -5.544141638785206, a_2 = -1.0147912118731799$	PHIN, VSH	0.7627	0.3023
	$a_0 = 3.217613575407118, a_1 = -5.032549139026196, a_2 = 0.09268832305946888$	PHIN, U	0.7181	0.3318
	$a_0 = 3.2922300883437265, a_1 = -7.729481159997577, a_2 = 0.005743064184657987$	PHIN, DT	0.7385	0.3198
	$a_0 = 5.637105440660434, a_1 = -7.542879888411957, a_2 = -0.09944680876119577$	PHIN, AI	0.7377	0.3192

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Table 2: Logs - TC - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 0.14588100024369455, a_1 = -0.4837075529494818, a_2 = 0.3033622882552492$	VSH, U	0.4759	0.4590
	$a_0 = 5.524180776298071, a_1 = -1.5358113261215445, a_2 = -0.008925888145949414$	VSH, DT	0.4316	0.4553
	$a_0 = 1.8267591160535877, a_1 = -1.5508428686605293, a_2 = 0.15251474969721093$	VSH, AI	0.3980	0.4672
	$a_0 = 1.214195749343483, a_1 = 0.27571455799757977, a_2 = -0.003815590247247687$	U, DT	0.4941	0.4445
	$a_0 = -0.38123204287612733, a_1 = 0.2915765702006922, a_2 = 0.051099379732703426$	U, AI	0.4802	0.4516
	$a_0 = 7.334594237844107, a_1 = -0.014588791317531073, a_2 = -0.09392044181128428$	DT, AI	0.2869	0.5243
$y = a_0+a_1x_1+a_2x_2+a_3x_3$	$a_0 = 7.146488864449057, a_1 = -1.0341688634347526, a_2 = -6.680613767697577, a_3 = -0.9261180939865502$	RHOB, PHIN, VSH	0.7945	0.2824
	$a_0 = 6.387118409849433, a_1 = -1.3868600468883507, a_2 = -6.183974126777551, a_3 = 0.12422337093265373$	RHOB, PHIN, U	0.7745	0.2995
	$a_0 = 5.840148314538643, a_1 = -0.7926010950442828, a_2 = -7.661782201543558, a_3 = 0.0027599501291816608$	RHOB, PHIN, DT	0.7472	0.3127
	$a_0 = 6.972958104042082, a_1 = -0.8769389198859341, a_2 = -7.416133357680113, a_3 = -0.03218344254787249$	RHOB, PHIN, AI	0.7439	0.3138
	$a_0 = -0.17001269468485836, a_1 = 0.21653621373738993, a_2 = -0.5428710848787778, a_3 = 0.2860581493043291$	RHOB, VSH, U	0.4775	0.4577
	$a_0 = 8.64112051233133, a_1 = -0.9776392486156514, a_2 = -1.51098014784945, a_3 = -0.012451056935287147$	RHOB, VSH, DT	0.4441	0.4511

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Table 2: Logs - TC - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 4.490524637572651, a_1 = -1.6698565230203433, a_2 = -1.4967622423689597, a_3 = 0.2725761219856152$	RHOB, VSH, AI	0.4196	0.4561
	$a_0 = 6.7204925499130495, a_1 = -1.8171576438255501, a_2 = 0.29619741759543383, a_3 = -0.009908522778886264$	RHOB, U, DT	0.5390	0.4226
	$a_0 = 3.634243569304922, a_1 = -2.5337521030288728, a_2 = 0.3029498498535083, a_3 = 0.22799831486485939$	RHOB, U, AI	0.5315	0.4256
	$a_0 = 8.376631286691175, a_1 = -1.4363802691929672, a_2 = -0.01158284710521335, a_3 = 0.06265905717218019$	RHOB, DT, AI	0.3023	0.5181
	$a_0 = 4.407179521284104, a_1 = -5.457677648897803, a_2 = -0.9859222658351731, a_3 = 0.009684643821658357$	PHIN, VSH, U	0.7628	0.3025
	$a_0 = 3.64544280643554, a_1 = -7.074603731755944, a_2 = -0.9278364072444968, a_3 = 0.004897108584101651$	PHIN, VSH, DT	0.7901	0.2854
	$a_0 = 5.6783252398416355, a_1 = -6.9457504176024925, a_2 = -0.9408638625410831, a_3 = -0.0870758944438187$	PHIN, VSH, AI	0.7912	0.2853
	$a_0 = 2.07187362286719, a_1 = -6.776800164393351, a_2 = 0.10054525768818712, a_3 = 0.0059831145285393844$	PHIN, U, DT	0.7595	0.3093
	$a_0 = 4.480227554486424, a_1 = -6.57211731410582, a_2 = 0.10907527572902677, a_3 = -0.10848180629161773$	PHIN, U, AI	0.7623	0.3075
	$a_0 = 4.429445048187406, a_1 = -7.707548059338722, a_2 = 0.0030918288255676043, a_3 = -0.04998990999605254$	PHIN, DT, AI	0.7397	0.3188
	$a_0 = 2.2604064052762203, a_1 = -0.7436172693373523, a_2 = 0.21405345724427058, a_3 = -0.00475938847206098$	VSH, U, DT	0.5191	0.4332
	$a_0 = 0.20996501100206455, a_1 = -0.6839876326505504, a_2 = 0.2345843230703505, a_3 = 0.06739553786936105$	VSH, U, AI	0.5014	0.4425

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Table 2: Logs - TC - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 7.8407960421420935, a_1 = -1.5410090818976123, a_2 = -0.01425796388785672 8, a_3 = -0.10227616853277145$	VSH, DT, AI	0.4367	0.4556
	$a_0 = 4.762642478407461, a_1 = 0.2838645636124729, a_2 = -0.01208901788555532, a_3 = -0.16194731102001858$	U, DT, AI	0.5081	0.4394
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_4$	$a_0 = 6.755343431186456, a_1 = -1.1521418688494107, a_2 = -6.31240536138655, a_3 = -0.7497779640176023, a_4 = 0.05576328552531341$	RHOB, PHIN, VSH, U	0.7988	0.2811
	$a_0 = 5.949436774852147, a_1 = -0.7183571065191026, a_2 = -7.022993759798909, a_3 = -0.9140260080913133, a_4 = 0.002206018394010101$	RHOB, PHIN, VSH, DT	0.7972	0.2805
	$a_0 = 6.787800835105935, a_1 = -0.7287676954920852, a_2 = -6.850065769335456, a_3 = -0.9256647769519241, a_4 = -0.03137746921788974$	RHOB, PHIN, VSH, AI	0.7954	0.2818
	$a_0 = 5.425770620113628, a_1 = -1.1187292733067598, a_2 = -6.492012173690618, a_3 = 0.12051679499783742, a_4 = 0.0018202330633962694$	RHOB, PHIN, U, DT	0.7762	0.2985
	$a_0 = 6.241183699992696, a_1 = -1.254658860511409, a_2 = -6.2646725207054645, a_3 = 0.12324451848529512, a_4 = -0.013420070483458422$	RHOB, PHIN, U, AI	0.7746	0.2994
	$a_0 = 5.259880133630727, a_1 = -1.1227211820324454, a_2 = -7.665244168990896, a_3 = 0.005344329441083591, a_4 = 0.07215656200203771$	RHOB, PHIN, DT, AI	0.7492	0.3115
	$a_0 = 6.996714177182171, a_1 = -1.6366317857313564, a_2 = -0.5851400075684059, a_3 = 0.24564245399507273, a_4 = -0.0100458783409715$	RHOB, VSH, U, DT	0.5540	0.4139

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Table 2: Logs - TC - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 3.7606775583770546, a_1 = -2.330425566261815, a_2 = -0.5190842989044666, a_3 = 0.25878525256639107, a_4 = 0.22616996826590635$	RHOB, VSH, U, AI	0.5432	0.4185
	$a_0 = 8.569530669171908, a_1 = -1.0187895912304874, a_2 = -1.5094799758711885, a_3 = -0.012132689506727164, a_4 = 0.008952820475524655$	RHOB, VSH, DT, AI	0.4442	0.4509
	$a_0 = 6.188477859434579, a_1 = -2.12052772979025, a_2 = 0.2962837144059237, a_3 = -0.007541977652837706, a_4 = 0.06623475923485224$	RHOB, U, DT, AI	0.5406	0.4214
	$a_0 = 3.2648591105536675, a_1 = -6.865649529454679, a_2 = -0.8399481858069074, a_3 = 0.028599739044199254, a_4 = 0.005045522203636132$	PHIN, VSH, U, DT	0.7912	0.2853
	$a_0 = 5.281889480893556, a_1 = -6.68955614124044, a_2 = -0.826980426758377, a_3 = 0.03690720595519017, a_4 = -0.09163040948330611$	PHIN, VSH, U, AI	0.7931	0.2849
	$a_0 = 4.985823245700351, a_1 = -7.044879874369504, a_2 = -0.9333804875786714, a_3 = 0.0017720908802132688, a_4 = -0.05882792081573141$	PHIN, VSH, DT, AI	0.7919	0.2847
	$a_0 = 3.8462047321011843, a_1 = -6.677915730981457, a_2 = 0.10720525428337184, a_3 = 0.0016739913205518697, a_4 = -0.08154973960053644$	PHIN, U, DT, AI	0.7629	0.3072
	$a_0 = 5.538388388959428, a_1 = -0.7140149069485495, a_2 = 0.22413256337693674, a_3 = -0.012461744555536768, a_4 = -0.15150436793173597$	VSH, U, DT, AI	0.5313	0.4284
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_4 + a_5x_5$	$a_0 = 5.752486394463785, a_1 = -0.8712812403971194, a_2 = -6.634585572488497, a_3 = -0.7523388246123074, a_4 = 0.051657992445736094, a_5 = 0.0019012087065630933$	RHOB, PHIN, VSH, U, DT	0.8008	0.2796

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Table 2: Logs - TC - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 6.504447879736559, a_1 = -0.9194675805214055, a_2 = -6.454293855812572, a_3 = -0.7568890901323033, a_4 = 0.05340769003649361, a_5 = -0.023393363409280138$	RHOB, PHIN, VSH, U, AI	0.7993	0.2807
	$a_0 = 5.634127175925712, a_1 = -0.8978339539184569, a_2 = -7.029856717225083, a_3 = -0.9068904335443779, a_4 = 0.003610858407892199, a_5 = 0.03910277051835809$	RHOB, PHIN, VSH, DT, AI	0.7978	0.2799
	$a_0 = 4.84546012043776, a_1 = -1.4488737693227565, a_2 = -6.495470068583263, a_3 = 0.1205172396494031, a_4 = 0.004404790576909361, a_5 = 0.072161634241709$	RHOB, PHIN, U, DT, AI	0.7781	0.2975
	$a_0 = 6.627961882834696, a_1 = -1.8473599722168377, a_2 = -0.5735721989053478, a_3 = 0.2467008189094833, a_4 = -0.008427143759593657, a_5 = 0.04522907197935746$	RHOB, VSH, U, DT, AI	0.5548	0.4130
	$a_0 = 4.728803992704133, a_1 = -6.7813789314446336, a_2 = -0.8254340612441982, a_3 = 0.035415273411475275, a_4 = 0.0014563370959449072, a_5 = -0.06823159056019572$	PHIN, VSH, U, DT, AI	0.7936	0.2844
$y = y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_4 + a_5x_5 + a_6x_6$	$a_0 = 5.384310250741327, a_1 = -1.0816857280895251, a_2 = -6.6345606326718, a_3 = -0.740788314638348, a_4 = 0.052715446359748126, a_5 = 0.003517389745825565, a_6 = 0.04515897827086461$	RHOB, PHIN, VSH, U, DT, AI	0.80155	0.2791

1.3 TD

Table 3: Logs - TD - Linear regression

Foramt	Coff.	Logs	R2	MAE
$y = a_0 + a_1x_1$	$a_0 = -1.3309476048514455, a_1 = 1.092064436104864$	RHOB	0.2140	0.2949

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Table 3: Logs - TD - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 2.075348257888349, a_1 = -3.4960467183625465$	PHIN	0.8047	0.1444
	$a_0 = 1.3959811161653173, a_1 = -0.743031204734568$	VSH	0.1192	0.3280
	$a_0 = -0.5508109627791291, a_1 = 0.18854348172547583$	U	0.4968	0.2449
	$a_0 = 2.7808310945502197, a_1 = -0.006353386581728423$	DT	0.4084	0.2514
	$a_0 = 0.13777300499541112, a_1 = 0.10939150167909367$	AI	0.3557	0.2616
$y = a_0 + a_1x_1 + a_2x_2$	$a_0 = 3.3463512919100076, a_1 = -0.49807967919212426, a_2 = -4.025128237485896$	RHOB, PHIN	0.8298	0.1361
	$a_0 = -0.9934482376139062, a_1 = 1.0435464390723768, a_2 = -0.6815821960331214$	RHOB, VSH	0.3129	0.2761
	$a_0 = -0.9435830350080741, a_1 = 0.23018353069931477, a_2 = 0.17414277475979253$	RHOB, U	0.5033	0.2414
	$a_0 = 5.230120184416799, a_1 = -0.7669712346140802, a_2 = -0.009109237693018333$	RHOB, DT	0.4349	0.2458
	$a_0 = 2.3400361365833575, a_1 = -1.3689030721894868, a_2 = 0.20740402578294245$	RHOB, AI	0.4055	0.2497
	$a_0 = 2.141339059682029, a_1 = -3.3677946081337002, a_2 = -0.2997992141214979$	PHIN, VSH	0.8229	0.1379
	$a_0 = 1.596857005046928, a_1 = -3.0793742352163234, a_2 = 0.04083760726551088$	PHIN, U	0.8161	0.1406
	$a_0 = 1.7930759560351237, a_1 = -3.984792692095788, a_2 = 0.0016028264632753988$	PHIN, DT	0.8145	0.1426
	$a_0 = 2.499071878705815, a_1 = -3.9932199032136415, a_2 = -0.03160024249407068$	PHIN, AI	0.8171	0.1419
	$a_0 = -0.6006948268582679, a_1 = 0.05507053547121532, a_2 = 0.19204078565028415$	VSH, U	0.4971	0.2443
	$a_0 = 2.9045796669219652, a_1 = -0.601518622661607, a_2 = -0.006054129136696709$	VSH, DT	0.4845	0.2316
	$a_0 = 0.39399250815916065, a_1 = -0.6113525288829506, a_2 = 0.10373037437238454$	VSH, AI	0.4336	0.2422
	$a_0 = 0.8175669675912491, a_1 = 0.13552749164129502, a_2 = -0.003465840504532492$	U, DT	0.5790	0.2168

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Table 3: Logs - TD - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = -0.6405641677757221, a_1 = 0.1456615545182716, a_2 = 0.05155373140755331$	U, AI	0.5501	0.2248
	$a_0 = 4.1828286321954655, a_1 = -0.009583373226662353, a_2 = -0.0619253254695136$	DT, AI	0.4145	0.2516
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3$	$a_0 = 3.2915748982485513, a_1 = -0.45411220638624067, a_2 = -3.8668290349126764, a_3 = -0.26086210565266943$	RHOB, PHIN, VSH	0.8435	0.1314
	$a_0 = 2.930869217924613, a_1 = -0.5837152289520705, a_2 = -3.563997252408541, a_3 = 0.05411038683011856$	RHOB, PHIN, U	0.8496	0.1302
	$a_0 = 3.6692556998140864, a_1 = -0.5836380870197455, a_2 = -3.9349420284360845, a_3 = -0.0005938131724578006$	RHOB, PHIN, DT	0.8304	0.1354
	$a_0 = 3.6445035012024944, a_1 = -0.7519343991819164, a_2 = -3.8845406391587765, a_3 = 0.02607497035558536$	RHOB, PHIN, AI	0.8322	0.1344
	$a_0 = -0.9409442683220428, a_1 = 0.23323139069773813, a_2 = -0.008654568945766812, a_3 = 0.17340247881609905$	RHOB, VSH, U	0.5033	0.2414
	$a_0 = 5.138094557873963, a_1 = -0.7005498998004435, a_2 = -0.5837252704869383, a_3 = -0.008580169949447726$	RHOB, VSH, DT	0.5066	0.2259
	$a_0 = 2.3430837697021802, a_1 = -1.221842812648716, a_2 = -0.5717814497950937, a_3 = 0.1915799128117662$	RHOB, VSH, AI	0.4727	0.2300
	$a_0 = 4.151924112135738, a_1 = -1.100386120091931, a_2 = 0.14793095838390546, a_3 = -0.007155436952728876$	RHOB, U, DT	0.6342	0.2007
	$a_0 = 1.9119190005059994, a_1 = -1.610608610337639, a_2 = 0.15289111028842975, a_3 = 0.16400157022446799$	RHOB, U, AI	0.6191	0.2042
	$a_0 = 4.882936230563304, a_1 = -0.9650527701680873, a_2 = -0.0075637863169244245, a_3 = 0.043274865932741914$	RHOB, DT, AI	0.4374	0.2444
	$a_0 = 1.8836853224432724, a_1 = -3.1818812846038154, a_2 = -0.23772572304481082, a_3 = 0.020823747810299914$	PHIN, VSH, U	0.8250	0.1371

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Table 3: Logs - TD - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 1.8980701789508847, a_1 = -3.790127145920774, a_2 = -0.27580394924020524, a_3 = 0.001351361987756259$	PHIN, VSH, DT	0.8298	0.1367
	$a_0 = 2.5111658887825454, a_1 = -3.8180203636589534, a_2 = -0.27605221908975425, a_3 = -0.027970579919659545$	PHIN, VSH, AI	0.8326	0.1362
	$a_0 = 1.270228116722513, a_1 = -3.5766273615574296, a_2 = 0.04307747139674483, a_3 = 0.0017056733012078195$	PHIN, U, DT	0.8273	0.1379
	$a_0 = 2.009180666995685, a_1 = -3.5821410335306356, a_2 = 0.04618898816644161, a_3 = -0.03542620022122064$	PHIN, U, AI	0.8318	0.1369
	$a_0 = 2.6873712968750336, a_1 = -3.9675447043168717, a_2 = -0.00048208053568851174, a_3 = -0.039311603502491244$	PHIN, DT, AI	0.8172	0.1418
	$a_0 = 1.0204347979254744, a_1 = -0.1441927791253944, a_2 = 0.12357095721401802, a_3 = -0.003648849822068502$	VSH, U, DT	0.5823	0.2160
	$a_0 = -0.5492816856825313, a_1 = -0.1056096075239529, a_2 = 0.13686179182662997, a_3 = 0.05406990389782348$	VSH, U, AI	0.5519	0.2245
	$a_0 = 4.3815083470997624, a_1 = -0.6048323859314169, a_2 = -0.009453526397093352, a_3 = -0.0652048740383802$	VSH, DT, AI	0.4918	0.2316
	$a_0 = 2.91131252109348, a_1 = 0.1403363669943997, a_2 = -0.008347540485554453, a_3 = -0.09555630624874832$	U, DT, AI	0.5957	0.2140
$y = a_0 + a_1x_1 + a_2x_2 + a_3x_3 + a_4x_4$	$a_0 = 2.992839259393077, a_1 = -0.544213580819485, a_2 = -3.585611451535111, a_3 = -0.12618309139772294, a_4 = 0.04258896898561155$	RHOB, PHIN, VSH, U	0.8520	0.1288
	$a_0 = 3.700940959201111, a_1 = -0.5621130327951819, a_2 = -3.7497424436661198, a_3 = -0.26499733887656113, a_4 = -0.0007544108298990864$	RHOB, PHIN, VSH, DT	0.8445	0.1305

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Table 3: Logs - TD - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 3.592248218897713, a_1 = -0.7101173578924621, a_2 = -3.7247844394562484, a_3 = -0.26124210254957764, a_4 = 0.02630243301006518$	RHOB, PHIN, VSH, AI	0.8459	0.1296
	$a_0 = 3.4759793455613535, a_1 = -0.7357526099818925, a_2 = -3.3893313709629354, a_3 = 0.05621211536426288, a_4 = -0.001032121244894041$	RHOB, PHIN, U, DT	0.8515	0.1292
	$a_0 = 3.308191370246466, a_1 = -0.925528607223884, a_2 = -3.3553471532258983, a_3 = 0.0566412632241252, a_4 = 0.03469832423074821$	RHOB, PHIN, U, AI	0.8537	0.1282
	$a_0 = 3.2820171289864803, a_1 = -0.8039417929489512, a_2 = -3.937252352128958, a_3 = 0.0011308572198624194, a_4 = 0.0481532588979633$	RHOB, PHIN, DT, AI	0.8331	0.1342
	$a_0 = 4.170240081206614, a_1 = -1.0884156380335817, a_2 = -0.038800025858704165, a_3 = 0.14457871128131475, a_4 = -0.007164544857318709$	RHOB, VSH, U, DT	0.6345	0.2005
	$a_0 = 1.9098250148205258, a_1 = -1.6139760818584779, a_2 = 0.008597016509848598, a_3 = 0.15362255944385428, a_4 = 0.16403185109778703$	RHOB, VSH, U, AI	0.6191	0.2042
	$a_0 = 4.957046791956664, a_1 = -0.8046174220689338, a_2 = -0.5799313973176476, a_3 = -0.007775031830155318, a_4 = 0.022641314385171637$	RHOB, VSH, DT, AI	0.5073	0.2251
	$a_0 = 3.789983485423673, a_1 = -1.3067750807821141, a_2 = 0.14798966789368195, a_3 = -0.005545427226692792, a_4 = 0.04506088026634299$	RHOB, U, DT, AI	0.6366	0.1994
	$a_0 = 1.5467122120521022, a_1 = -3.597218924969682, a_2 = -0.19466482758890205, a_3 = 0.026403511955816104, a_4 = 0.0014883786497518626$	PHIN, VSH, U, DT	0.8331	0.1353
	$a_0 = 2.186320599898355, a_1 = -3.608091007295801, a_2 = -0.1827344576090042, a_3 = 0.030242307132521424, a_4 = -0.031702616498941606$	PHIN, VSH, U, AI	0.8370	0.1346
	$a_0 = 2.8541323159824383, a_1 = -3.7689258110002495, a_2 = -0.27975841256785117, a_3 = -0.0008776403288395947, a_4 = -0.04196058525224408$	PHIN, VSH, DT, AI	0.8330	0.1361

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Table 3: Logs - TD - Linear regression (Continued)

Foramt	Coff.	Logs	R2	MAE
	$a_0 = 2.4293423458986814, a_1 = -3.5120292979743364, a_2 = 0.04742823590713904, a_3 = -0.0011093401986163039, a_4 = -0.053273857999029874$	PHIN, U, DT, AI	0.8324	0.1367
	$a_0 = 3.048077595240099, a_1 = -0.12588181305543736, a_2 = 0.1298055329545189, a_3 = -0.00841325271163651, a_4 = -0.0937152009765829$	VSH, U, DT, AI	0.5983	0.2133
$y = a_0+a_1x_1+a_2x_2+a_3x_3+a_4x_4+a_5x_5$	$a_0 = 3.5301805998355804, a_1 = -0.6947016574284226, a_2 = -3.4129839082680222, a_3 = -0.1248109553760771, a_4 = 0.044788628164849756, a_5 = -0.0010186876069431421$	RHOB, PHIN, VSH, U, DT	0.8538	0.1277
	$a_0 = 3.3485739134799646, a_1 = -0.8741130429460356, a_2 = -3.3844334944455863, a_3 = -0.11610051331308144, a_4 = 0.045928872549229637, a_5 = 0.033168503754795166$	RHOB, PHIN, VSH, U, AI	0.8557	0.1267
	$a_0 = 3.3884554786486687, a_1 = -0.7399823685167246, a_2 = -3.756543931970341, a_3 = -0.25792567518820614, a_4 = 0.0006378465207556951, a_5 = 0.038752540607620165$	RHOB, PHIN, VSH, DT, AI	0.8462	0.1295
	$a_0 = 3.0887207289925436, a_1 = -0.9560679426640281, a_2 = -3.391638928026108, a_3 = 0.056212412093600714, a_4 = 0.0006926315687887494, a_5 = 0.04815562472402673$	RHOB, PHIN, U, DT, AI	0.8541	0.1281
	$a_0 = 3.811079990755357, a_1 = -1.2936622376586793, a_2 = -0.02753312591141589, a_3 = 0.14560954537839504, a_4 = -0.005587917762175904, a_5 = 0.04405254647128535$	RHOB, VSH, U, DT, AI	0.6367	0.1993
	$a_0 = 2.6260465944529727, a_1 = -3.535088065422465, a_2 = -0.18396388258613244, a_3 = 0.03142845563144787, a_4 = -0.0011578486356919077, a_5 = -0.05030565191043077$	PHIN, VSH, U, DT, AI	0.8377	0.1344
$y = y = a_0+a_1x_1+a_2x_2+a_3x_3 + a_4x_4 + a_5x_5 + a_6x_6$	$a_0 = 3.171319046349534, a_1 = -0.8997830637089699, a_2 = -3.412959599410803, a_3 = -0.11355266495318994, a_4 = 0.045819329259399084, a_5 = 0.0005566052205594093, a_6 = 0.044016488771537035$	RHOB, PHIN, VSH, U, DT, AI	0.8560	0.1267